



# MULTIPL ASSAY SERVICE LIST

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LABISKOMA





# Cytokines & Inflammation

## Human

Human Luminex Assay			
<b>LXSAHM</b>	CA125/MUC16	Chemerin	Endothelin-1
4-1BB/TNFRSF9/CD137	Calbindin D	Chitinase 3-like 1	Enolase 2/Neuron-specific Enolase
ADAMTS13	Carbonic Anhydrase IX/CA9	Coagulation Factor III/Tissue Factor	ENPP-2/Autotaxin
Adiponectin/Acrp30	Cathepsin S	Coagulation Factor XIV/Protein C	EN-RAGE/S100A12
Aggrecan	CCL1/I-309/TCA-3	Collagen I $\alpha$ 1	EpCAM/TROP1
AgRP/ART	CCL2/JE/MCP-1	Collagen IV $\alpha$ 1	EphA2
ALCAM/CD166	CCL3/MIP-1 $\alpha$	Complement Component C2	ErbB2/Her2
Aldehyde Dehydrogenase 1-A1/ALDH1A1	CCL4/MIP-1 $\beta$	Complement Component C5a	ErbB3/Her3
$\alpha$ 1-Microglobulin	CCL5/RANTES	Complement Component C9	ESAM
$\alpha$ 2-Macroglobulin	CCL7/MCP-3/MARC	Complement Factor D/Adipsin	E-Selectin/CD62E
$\alpha$ Fetoprotein/AFP	CCL8/MCP-2	Contactin-1	FABP4/A-FABP
$\alpha$ -N-acetylglucosaminidase/NAGLU	CCL11/Eotaxin	C-Peptide	Fas Ligand/TNFSF6
$\alpha$ -Synuclein	CCL13/MCP-4	C-Reactive Protein/CRP	Fas/TNFRSF6/CD95
Angiogenin	CCL14/HCC-1/HCC-3	Cripto	Ferritin
Angiopoietin-1	CCL15/MIP-1 $\delta$	CTRP9/C1qTNF9	Fetuin A/AHSG
Angiopoietin-2	CCL17/TARC	CX3CL1/Fractalkine	FGF acidic
Angiopoietin-like Protein 3/ANGPTL3	CCL18/PARC	CXCL1/GRO $\alpha$ /KC/CINC-1	FGF basic/FGF2
Angiopoietin-like Protein 4/ANGPTL4	CCL19/MIP-3 $\beta$	CXCL2/GRO $\beta$ /MIP-2/CINC-3	FGF-13
Angiopoietin-like Protein 6/ANGPTL6	CCL20/MIP-3 $\alpha$	CXCL4/PF4	FGF-23
APP	CCL21/6Ckine	CXCL5/ENA-78	Fibroblast Activation Protein $\alpha$ /FAP
APRIL/TNFSF13	CCL22/MDC	CXCL6/GCP-2	Fibronectin
Atrial Natriuretic Peptide/ANP	CCL23/MPIF-1	CXCL7/NAP-2	Flt-3 Ligand
B7-H3	CCL24/Eotaxin-2/MPIF-2	CXCL9/MIG	Follistatin-like 1/FSTL1
BAFF/BLyS/TNFSF13B	CCL25/TECK	CXCL10/IP-10/CRG-2	Follistatin-related Gene Protein/FLRG
BCMA/TNFRSF17	CCL26/Eotaxin-3	CXCL11/I-TAC	Furin
BDNF	CCL27/CTACK	CXCL12/SDF-1	Galectin-1
$\beta$ 2-Microglobulin	CCL28	CXCL13/BLC/BCA-1	Galectin-3
$\beta$ NGF	CD14	CXCL14/BRAK	Galectin-3BP/MAC-2BP
BMP-2	CD23/Fc epsilon RII	CXCL16	Galectin-9
BMP-4	CD25/IL-2R $\alpha$	Cystatin C	Gas6
BMP-7	CD27/TNFRSF7	DcR3/TNFRSF6B	G-CSF
BMP-9	CD30/TNFRSF8	D-dimer	GDF-15
BMP-10	CD31/PECAM-1	Dkk-1	GDNF
CA15-3/MUC-1	CD40 Ligand/TNFSF5	DPPIV/CD26	GITR/TNFRSF18
	CD40/TNFRSF5	DR3/TNFRSF25	GM-CSF
	CD44	EGF	gp130
	CD117/c-kit	EMMPRIN/CD147	Granzyme A
	CD163	Endocan/ESM-1	Granzyme B
	CEACAM-1/CD66a	Endoglin/CD105	
	CEACAM-5/CD66e	Endostatin	

## Cytokines & Inflammation

Growth Hormone	IL-28B/IFNλ3	Neuregulin-1β 1/NRG1β 1	Serpin F1/PEDF
HB-EGF	IL-31	Neuropilin-1	SHBG
HE4/WFDC2	IL-33	NT-3	SLPI
HGF	IL-34	NT-4	SOST/Sclerostin
HGF R/c-MET	IL-36β/IL-1F8	Oncostatin M/OSM	SPARC
HMW Adiponectin/Acrp30	Insulin	Osteoactivin/GPNMB	SP-D
HTRA2/Omi	ITIH4	Osteopontin/OPN	ST2/IL-33R
ICAM-1/CD54	Kallikrein 3/PSA	Osteoprotegerin/TNFRSF11B	Stanniocalcin 1/STC-1
IFNα	Kallikrein 5	Park7/DJ-1	Syndecan-1/CD138
IFNβ	Kallikrein 6/Neurosin	PBEF/Visfatin	Syndecan-4
IFNγ	Lactoferrin	PDGF-AA	TACI/TNFRSF13B
IFNγ R1/CD119	LBP	PDGF-AB	Tau
IGFBP-1	Leptin R	PDGF-BB	Tenascin C
IGFBP-2	Leptin/OB	PDGF-CC	TFF3
IGFBP-3	LIF	PDGF-DD	TFFI
IGFBP-4	LIGHT/TNFSF14	PD-L1/B7-H1	TfR (Transferrin R)
IGFBP-6	Lipocalin-2/NGAL	Pentraxin 2/SAP	TGFα
IGFBP-rp1/IGFBP-7	LRG1	Pentraxin 3/TSG-14	Thrombomodulin/BDCA-3
IL-1α/IL-1F1	L-Selectin/CD62L	Periostin/OSF-2	Thrombopoietin/Tpo
IL-1β/IL-1F2	Lumican	PLA2G7/PAF-AH/Lp-PLA2	Thrombospondin-2
IL-1 RI	Lymphotoxinα/TNFβ	PLGF	Thymidine Kinase 1
IL-1 RII	MAdCAM-1	PP14/Glycodelin	Tie-2
IL-1ra/IL-1F3	MBL	Procalcitonin	TIM-1/KIM-1/HAVCR
IL-2	MCAM/CD146	Progranulin/PGRN	TIMP-1
IL-3	M-CSF	Prolactin	TNF RI/TNFRSF1A
IL-4	M-CSF R/CD115	Properdin	TNF RII/TNFRSF1B
IL-4Rα	Mesothelin	Proprotein Convertase 9/PCSK9	TNFα
IL-5	MFG-E8	Protein S/PROS1	Total Inhibin
IL-6	MIA	Proteinase 3/Myeloblastin/PRTN3	TRACP/PAP/ACPS
IL-6Rα	MICA	P-Selectin/CD62P	TRAIL R2/TNFRSF10B
IL-7	MICB	RAGE/AGER	TRAIL R3/TNFRSF10C
IL-8/CXCL8	Midkine	RBP4/Retinol-Binding Protein 4	TRAIL/TNFSF10
IL-10	MIF	Reg3A	TRANCE/TNFSF11/RANK L
IL-11	MMP-1	Relaxin-2	TREM-1
IL-12 (p70)	MMP-2	Renin	TSLP
IL-12/IL-23 (p40)	MMP-3	Resistin	UCH-L1/PGP9.5
IL-13	MMP-7	ROBO4	ULBP-1
IL-15	MMP-8	S100A8	ULBP-2/5/6
IL-16	MMP-9	S100A9	ULBP-3
IL-17/IL-17A	MMP-10	S100B	ULBP-4/RAET1E
IL-17C	MMP-12	SCF/c-kit Ligand	uPAR
IL-17E/IL-25	MMP-13	SCGF/CLEC11a	u-Plasminogen Activator (uPA)/ Urokinase
IL-18/IL-1F4	MSP/MST1	Serpin A10/ZPI	Uromodulin
IL-19	Myeloperoxidase/MPO	Serpin A12	Uteroglobin/SCGB1A1
IL-21	Myoglobin	Serpin A4/Kallistatin	VAP-1/AOC3
IL-22	N-Cadherin	Serpin A7/TBG	VCAM-1/CD106
IL-23	NCAM-1/CD56	Serpin B3/SCCA1	VEGF
IL-27	Nectin-4	Serpin C1/Antithrombin-III	VEGF-C
IL-28A/IFNλ2	Nephrin	Serpin E1/PAI-1	

VEGF-D
VEGFR1/Flt-1
VEGFR2/KDR/Flk-1
VEGFR3/Flt-4
vWF-A2
XCL1/Lymphotactin

### Human Cytokine Discovery 14-Plex

#### LKTM011

IFNα
IFNγ
IL-1α/IL-1F1
IL-1β/IL-1F2
IL-1ra/IL-1F3
IL-2
IL-3
IL-4
IL-6
IL-7
IL-10
IL-15
IL-33
VEGF

### Human Chemokine Discovery 8-Plex

#### LKTM012

CCL2/JE/MCP-1
CCL3/MIP-1α
CCL4/MIP-1β
CCL5/RANTES
CCL11/Eotaxin
CXCL1/GROα/KC/CINC-1
CXCL10/IP-10/CRG-2
IL-8/CXCL8

### Human Cytokine Panel A Custom

#### FCSTM03/LUHM000

CCL2/JE/MCP-1
CCL3/MIP-1α
CCL4/MIP-1β
CCL5/RANTES
CXCL5/ENA-78
FGF basic/FGF2
G-CSF

GM-CSF
IFNγ
IL-1α/IL-1F1
IL-1β/IL-1F2
IL-1ra/IL-1F3
IL-2
IL-4
IL-5
IL-6
IL-8/CXCL8
IL-10
IL-17/IL-17A
Thrombopoietin/Tpo
TNFα
VEGF

### Human Cytokine Panel B Custom

#### FCSTM04/LUBM000

CCL11/Eotaxin
CD40 Ligand/TNFSF5
CXCL10/IP-10/CRG-2
CXCL11/I-TAC
EGF
HGF
IL-12 (p70)
IL-13
Leptin/OB

### Human Cytokine/Chemokine Panel I

#### HCYTOMAG

sCD40L
EGF
Eotaxin/CCL11
FGF-2/FGF-basic
Flt3 Ligand
Fractalkine/CX3CL1
G-CSF
GM-CSF
GRO
IFNα2
IFNγ
IL-1α
IL-1β
IL-1Ra
IL-2
IL-3

IL-4
IL-5
IL-6
IL-7
IL-8/CXCL8
IL-9
IL-10
IL-12 (p40)
IL-12 (p70)
IL-13
IL-15
IL-17A/CTLA8
IP-10/CXCL10
MCP-1/CCL2
MCP-3/CCL7
MDC/CCL22
MIP-1α/CCL3
MIP-1β/CCL4
PDGF-AA
PDGF-AB/BB
RANTES/CCL5
TGFα
TNFα
TNFβ/Lymphotoxin-α (LTA)
VEGF-A

### Human Cytokine/Chemokine Panel II

#### HCCYP2MAG

6Ckine/CCL21/Exodus-2
BCA-1/CXCL13
CTACK/CCL27
ENA-78/CXCL5
Eotaxin-2/CCL24/MPIF-2
Eotaxin-3/CCL26
I-309/CCL1
IL-16
IL-20
IL-21
IL-23
IL-28A/IFNλ2
IL-33/NF-HEV (mature)
LIF
MCP-2/CCL8
MCP-4/CCL13
MIP-1δ/MIP-5/CCL15
SCF
SDF-1/CXCL12

TARC/CCL17
TPO
TRAIL/TNFSF10
TSLP

### Human Cytokine/Chemokine Panel III

#### HCCYP3MAG

HCC-1/CCL14
IL-11
IL-29/IFNλ1
I-TAC/CXCL11
LIX/CXCL6/GCP-2
Lymphotoxin/XCL1
M-CSF
MIG/CXCL9
MIP-3α/CCL20
MIP-3β/CCL19
NAP-2/CXCL7

### Human Cytokine/Chemokine Panel IV

#### HCCYP4MAG

APRIL/TNFSF13
BAFF/Blys
BRAK/CXCL14
CCL28
CXCL16
HCC-4/CCL16
HMGB1
IFNβ
IL-14/α-Taxilin
IL-19
IL-24
IL-28B/IFNλ3
IL-32α
IL-34
IL-35
IL-36β/IL-1F8
IL-37/IL-1F7
IL-38/IL-1F10
MIP-4/PARC/CCL18
MPIF/CCL23
YKL40/CHI3L1



## Cytokines & Inflammation

<b>Human IL-18 Singleplex</b> <b>HIL18MAG-66K</b> IL-18	CXCL10/IP-10/CRG-2 EGF FGF basic/FGF2 Flt-3 Ligand G-CSF GM-CSF Granzyme B IFN $\alpha$ 2 IFN $\beta$ IFN $\gamma$ IL-1 $\alpha$ /IL-1F1 IL-1 $\beta$ /IL-1F2 IL-1 $\gamma$ /IL-1F3 IL-2 IL-3 IL-4 IL-5 IL-6 IL-8/CXCL8 IL-10 IL-12 (p70) IL-13 IL-15 IL-17/IL-17A IL-17E/IL-25 IL-33 PDGF-AA PDGF-AB/BB PD-L1/B7-H1 TGF $\alpha$ TNF $\alpha$ TRAIL/TNFSF10 VEGF	TNF $\alpha$ VEGF	<b>Human High Sensitivity T Cell (384-well)</b> <b>HSTC384</b> Fractalkine/CX3CL1 GM-CSF IFN $\gamma$ IL-1 $\beta$ IL-2 IL-4 IL-5 IL-6 IL-7 IL-8/CXCL8 IL-10 IL-12 (p70) IL-13 IL-17A/CTLA8 IL-21 IL-23 I-TAC/CXCL11 MIP-1 $\alpha$ /CCL3 MIP-1 $\beta$ /CCL4 MIP-3 $\alpha$ /CCL20 TNF $\alpha$	<b>Human High Sensitivity Cytokine Panel B</b> <b>FCSTM14/LBHS000</b> GM-CSF IFN $\gamma$ IL-1 $\beta$ /IL-1F2 IL-2 IL-5 IL-6 IL-7 IL-13 IL-15 IL-17/IL-17A IL-17F IL-22 IL-23 IL-31 IL-33 IL-36 $\beta$ /IL-1F8 TNF $\alpha$	<b>Human High Sensitivity T Cell</b> <b>HSTCMAG</b> Fractalkine/CX3CL1 GM-CSF IFN $\gamma$ IL-1 $\beta$ IL-2 IL-4 IL-5 IL-6 IL-7 IL-8/CXCL8 IL-10 IL-12 (p70) IL-13 IL-17A/CTLA8 IL-21 IL-23 I-TAC/CXCL11 MIP-1 $\alpha$ /CCL3 MIP-1 $\beta$ /CCL4 MIP-3 $\alpha$ /CCL20 TNF $\alpha$	<b>Human Growth Factor Discovery 21-Plex</b> <b>LKTM013</b> CCL3/MIP-1 $\alpha$ CCL19/MIP-3 $\beta$ CD40 Ligand/TNFSF5 CX3CL1/Fractalkine CXCL2/GRO $\beta$ /MIP-2/CINC-3 EGF FGF basic/FGF2 Flt-3 Ligand G-CSF Granzyme B IFN $\beta$ IL-3 IL-8/CXCL8 IL-17E/IL-25 IL-33 PDGF-AA PDGF-AB/BB PD-L1/B7-H1 TGF $\alpha$ TRAIL/TNFSF10	<b>Human Growth Factor Discovery 21-Plex</b> <b>LKTM013</b> CCL3/MIP-1 $\alpha$ CCL19/MIP-3 $\beta$ CD40 Ligand/TNFSF5 CX3CL1/Fractalkine CXCL2/GRO $\beta$ /MIP-2/CINC-3 EGF FGF basic/FGF2 Flt-3 Ligand G-CSF Granzyme B IFN $\beta$ IL-3 IL-8/CXCL8 IL-17E/IL-25 IL-33 PDGF-AA PDGF-AB/BB PD-L1/B7-H1 TGF $\alpha$ TRAIL/TNFSF10	VEGF	<b>Human Growth Factor Panel A</b> <b>HCYTA-60K</b> EGF Eotaxin/CCL11 FGF-2/FGF-basic Flt3 Ligand Fractalkine/CX3CL1 G-CSF GM-CSF GRO $\alpha$ IFN $\alpha$ 2 IFN $\gamma$ IL-1 $\alpha$ IL-1 $\beta$ IL-1RA IL-2 IL-3 IL-4 IL-5 IL-6 IL-7 IL-8/CXCL8 IL-9 IL-10 IL-12 (p40) IL-12 (p70) IL-13 IL-15 IL-17A/CTLA8 IL-17E/IL-25 IL-17F IL-18 IL-22 IL-27 IP-10/CXCL10 MCP-1/CCL2 MCP-3/CCL7 M-CSF MDC/CCL22 MIG/CXCL9 MIP-1 $\alpha$ /CCL3 MIP-1 $\beta$ /CCL4 PDGF-AA PDGF-AB/BB RANTES/CCL5 sCD40L	TGF $\alpha$ TNF $\alpha$ TNF $\beta$ /Lymphotoxin- $\alpha$ (LTA) VEGF-A	<b>Human Soluble Cytokine Receptor</b> <b>HSCRMAG</b> sCD30 sEGFR/sHER1/ErbB1 sGP130 sIL-1RI sIL-1RII sIL-2R $\alpha$ sIL-4R sIL-6R sRAGE sTNF RI sTNF RII sVEGFR1/sFlt-1 sVEGFR2/sKDR/sFlk-1 sVEGFR3/sFlt-4	<b>Human Complement Panel 1</b> <b>HCMP1MAG-19K</b> Adipsin/Factor D C2 C4b C5 C5a C9 Factor I Mannose-binding Lectin (MBL)	<b>Human Complement Panel 2</b> <b>HCMP2MAG-19K</b> C1q C3 C3b/iC3b C4 Factor B Factor H Factor P/Properdin	<b>Human Th1/Th2 Discovery 11-Plex</b> <b>LKTM008</b> GM-CSF IFN $\gamma$ IL-1 $\beta$ /IL-1F2 IL-2 IL-4 IL-5 IL-6 IL-10 IL-12 (p70) IL-13 TNF $\alpha$	<b>Human Th9/Th17/Th22 Discovery 17-Plex</b> <b>LKTM009</b> CCL20/MIP-3 $\alpha$ CD40 Ligand/TNFSF5 GM-CSF IFN $\gamma$ IL-1 $\beta$ /IL-1F2 IL-2 IL-4 IL-5 IL-6 IL-10 IL-12 (p70) IL-13 IL-15 IL-17/IL-17A IL-17E/IL-25 IL-33 TNF $\alpha$	<b>Human Th17</b> <b>HTH17MAG</b> GM-CSF IFN $\gamma$ IL-1 $\beta$ IL-2 IL-4 IL-5 IL-6 IL-9 IL-10	<b>Human Biomarker Custom</b> <b>FCSTM13/LBAM000</b> BAFF/BLyS/TNFSF13B CCL20/MIP-3 $\alpha$ CD14 CD25/IL-2R $\alpha$ CD27/TNFSF7 CXCL13/BLC/BCA-1 gp130 IL-6R $\alpha$ TNF RII/TNFRSF1B	IL-12 (p70) IL-13 IL-15 IL-17A/CTLA8 IL-17E/IL-25 IL-17F IL-21 IL-22 IL-23 IL-27 IL-28A/IFN $\lambda$ 2 IL-31 IL-33/NF-HEV (mature) MIP-3 $\alpha$ /CCL20 TNF $\alpha$ TNF $\beta$ /Lymphotoxin- $\alpha$ (LTA)	<b>Human CD8+ T Cell</b> <b>HCD8MAG</b> sCD137/4-1BB/TNFRSF9 sFAS/TNFRSF6 sFasL GM-CSF Granzyme A Granzyme B IFN $\gamma$ IL-2 IL-4 IL-5 IL-6 IL-10 IL-13 MIP-1 $\alpha$ /CCL3 MIP-1 $\beta$ /CCL4 Perforin TNF $\alpha$
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sc-Kit/sStem Cell Factor Receptor (SCFR)
sEGFR/sHER1/sErbB1
sE-Selectin
sHER2/sEGFR2/sErbB2
sHER3/sEGFR3/sErbB3
sHGFR/sc-Met
sIL-6R $\alpha$
sNeuropilin-1 (sNRP-1)
Osteopontin (OPN)
PDGF-AB/BB
Tenascin-C (TN-C)
Thrombospondin-2 (TSP-2)
sTIE-2
suPAR
sVEGFR1/sFlt-1
sVEGFR2/sKDR/sFlk-1
sVEGFR3/sFlt-4

<b>Human MMP Panels Custom</b> <b>FCSTM07/LMPM000</b>
EMMPRIN/CD147
MMP-1
MMP-2
MMP-3
MMP-7
MMP-8
MMP-9
MMP-10
MMP-12
MMP-13

<b>Mouse MMP Panel 1</b> <b>MMMP1MAG-79K</b>
MMP-2
MMP-3
MMP-8

<b>Mouse MMP Panel 2</b> <b>MMMP2MAG-79K</b>
proMMP-9
MMP-12

<b>Mouse MMP Panel 3</b> <b>MMMP3MAG-79K</b>
MMP-2
MMP-3
MMP-8
proMMP-9
MMP-12

Mouse

<b>TIMP Fixed 4-Plex</b> <b>LKTM003</b>
TIMP-1
TIMP-2
TIMP-3
TIMP-4

<b>Mouse Angiogenesis/Growth Factor Panel 1</b> <b>MAGPMAG-24K</b>
sALK-1
Amphiregulin
Angiopoietin-2
Betacellulin
sCD31/sPECAM-1
EGF
Endoglin
Endothelin-1
sFasL
FGF-2/FGF-basic
Follistatin (FST)
G-CSF
HGF
IL-1 $\beta$
IL-6
IL-17A/CTLA8
KC/CXCL1
Leptin
MCP-1/CCL2
MIP-1 $\alpha$ /CCL3
Placental Growth Factor (PLGF-2)
Prolactin
SDF-1/CXCL12
TNF $\alpha$
VEGF-A
VEGF-C
VEGF-D

<b>Human TIMP Panel 1</b> <b>HTMP1MAG-54K</b>
TIMP-1
TIMP-2

<b>Human MMP Panel 1</b> <b>HMMP1MAG-55K</b>
MMP-3
MMP-12
MMP-13

<b>Human MMP Panel 2</b> <b>HMMP2MAG-55K</b>
MMP-1
MMP-2
MMP-7
MMP-9
MMP-10

# Metabolism/Endocrinology

Human

<b>Human Obesity Panels Custom</b> <b>FCSTM08/LOB000</b>
Adiponectin/Acrp30
CCL2/JE/MCP-1
Complement Factor D/Adipsin
C-Reactive Protein/CRP
IL-6
IL-10
Leptin/OB
Resistin
Serpin E1/PAI-1
TNF $\alpha$

IL-6
IL-8/CXCL8
Leptin
MCP-1/CCL2
NGF
PAI-1 (total)
Resistin
TNF $\alpha$

<b>Human Diabetes</b> <b>HDIAB-34K-PMX5</b>
C-Peptide
GLP-1 (active)
Glucagon
Insulin
Leptin

<b>Human Adipokine Panel 1</b> <b>HADK1MAG-61K</b>
Adiponectin
Adipsin/Factor D
NGAL/Lipocalin-2
PAI-1 (total)
Resistin

<b>Human Metabolic Hormone</b> <b>HMHEMAG-34K</b>
Amylin (active)
Amylin (total)
C-Peptide
Ghrelin (active)
GIP (total)
GLP-1 (active)
GLP-1 (total)
Glucagon
IL-6
Insulin
Leptin
MCP-1/CCL2
Pancreatic Polypeptide (PP)
PYY (total)
TNF $\alpha$

<b>Human Adipokine Panel 2</b> <b>HADK2MAG-61K</b>
IL-1 $\beta$
IL-6
IL-8/CXCL8
Insulin
Leptin
MCP-1/CCL2
NGF
TNF $\alpha$

<b>Human Aging Panel 1</b> <b>HAGE1MAG-20K</b>
CTACK/CCL27
FGF-21
GDF-11
GDF-15
GnRH
IL-6
IL-10
IL-18
Jag1
Leptin
Wnt-3a

<b>Human Adipocyte</b> <b>HADCYMAG-61K</b>
Adiponectin
HGF
IL-1 $\beta$

<b>Human Myokine</b> <b>HMYOMAG-56K</b>
Apelin
BDNF
Erythropoietin (EPO)
FABP3
FGF-21
Fractalkine/CX3CL1
FSTL1
IL-6
IL-15
Irisin
LIF
Myostatin/GDF8
Oncostatin-M (OSM)
Osteocrin (OSTN)/Musclin
Osteonectin/SPARC

FABP1
FGF-19
FGF-21
FGF-23
HGF

<b>Human IGF Binding Protein</b> <b>HIGFBMAG-53K</b>
IGFBP1
IGFBP2
IGFBP3
IGFBP4
IGFBP5
IGFBP6
IGFBP7

<b>Human IGF</b> <b>HIGFMAG-52K</b>
IGF-1
IGF-2

<b>Human Pituitary Panel 1</b> <b>HPTP1MAG-66K</b>
ACTH
Agouti-Related Protein (AgRP)
CNTF
FSH
GH
LH
TSH

<b>Human Liver Protein</b> <b>HLPPMAG-57K</b>
$\alpha$ -Fetoprotein (AFP)
ANGPTL3
ANGPTL4
ANGPTL6



## Metabolism/Endocrinology

### Mouse

Mouse Adipokine
MADKMAG-71K
IL-6
Insulin
Leptin
MCP-1/CCL2
PAI-1 (total)
Resistin
TNF $\alpha$

Mouse Adipocyte
MADCYMAG-72K
Adiponectin
IL-6
Leptin
MCP-1/CCL2
PAI-1 (total)
Resistin
TNF $\alpha$

Mouse Adiponectin – Singleplex
MADPNMAG-70K-01
Adiponectin

Mouse Metabolic Hormone
MMHMAG-44K
Amylin (active)
C-Peptide 2
Ghrelin (active)
GIP (total)
GLP-1 (active)
Glucagon
IL-6
Insulin
Leptin
MCP-1/CCL2
Pancreatic Polypeptide (PP)
PYY (total)
Resistin
TNF $\alpha$

Mouse Metabolic Hormone Expanded
MMHE-44K
Amylin (active)
C-Peptide 2
Ghrelin (active)
GIP (total)
GLP-1 (active)
GLP-1 (total)
Glucagon
IL-6

Insulin
Leptin
MCP-1/CCL2
Pancreatic Polypeptide (PP)
PYY (total)
Resistin
Secretin
TNF $\alpha$

Mouse Myokine
MMYOMAG-74K
BDNF
Erythropoietin (EPO)
FGF-21
Fractalkine/CX3CL1
Follistatin-like Protein 1 (FSTL1)
IL-6
IL-15
Irisin
LIF
Myostatin/GDF8
Oncostatin-M (OSM)
Osteocrin (OSTN)/Musclin
Osteonectin/SPARC

Mouse Pituitary
MPTMAG-49K
ACTH
BDNF
FSH
GH
LH
Prolactin
TSH

Mouse Aging Panel 1
MAGE1MAG-25K
CTACK/CCL27
FGF-21
GnRH
IL-6
Jag1
Leptin
Notch1
TNF $\alpha$

### Rat

Rat Adipokine
RADPKMAG-80K
IL-1 $\beta$
IL-6
Insulin
Leptin
MCP-1/CCL2
PAI-1 (total)
TNF $\alpha$

Rat Adipocyte
RADPCMAG-82K
Adiponectin
IL-1 $\beta$
IL-6
Leptin
MCP-1/CCL2
PAI-1 (total)
TNF $\alpha$

Rat Metabolic Hormone
RMHMAG-84K
Amylin (active)
C-Peptide 2
Ghrelin (active)
GIP (total)
GLP-1 (active)
Glucagon
IL-6

Insulin
Leptin
MCP-1/CCL2
Pancreatic Polypeptide (PP)
PYY (total)
TNF $\alpha$

Rat Myokine
RMYOMAG-88K
BDNF
Erythropoietin (EPO)
FGF-21
Fractalkine/CX3CL1
Follistatin-like Protein 1 (FSTL1)
Myostatin/GDF8
IL-6
IL-15
Irisin
LIF
Osteocrin (OSTN)/Musclin
Osteonectin/SPARC

Rat Pituitary
RPTMAG-86K
ACTH
BDNF
FSH
GH
LH
Prolactin
TSH

Rat Stress Hormone
RSHMAG-69K
ACTH
Corticosterone
Melatonin

Rat Thyroid
RTHYMAG-30K
T3
T4
TSH

### Non-Human Primate

Non-Human Primate Metabolic Hormone
NHPMHMAG-45K
Amylin (active)
C-Peptide
Ghrelin (active)
GIP (total)
GLP-1 (active)
Glucagon
IL-6
Insulin
Leptin
MCP-1/CCL2
Pancreatic Polypeptide (PP)
PYY (total)

Non-Human Primate Pituitary Panel 1
NHPPT1MG-46K
ACTH
Agouti-Related Protein (AgRP)
CNTF
FSH
GH
LH
TSH

### Other Species

Canine Gut Hormone
CGTMAG-98K
Amylin (total)
Ghrelin (active)
GIP (total)
GLP-1 (active)
Glucagon
Insulin
Leptin
Pancreatic Polypeptide (PP)
PYY (total)

Canine Pituitary
CPTMAG-96K
ACTH
BDNF
FSH
GH
TSH

Multi-Species Hormone
MSHMAG-21K
Cortisol
Estradiol
Progesterone
Testosterone
T3
T4



# Cardiovascular

## Human

### Human Cardiac Panel A Custom

<b>FCSTM11/LUCAM000</b>
CD40 Ligand/TNFSF5
GDF-15
Pappalysin-1/PAPP-A
Proprotein Convertase 9/PCSK9
ST2/IL-33R
TNF RII/TNFRSF1B

### Human Cardiac Panel B Custom

<b>FCSTM12/LUCBM000</b>
C-Reactive Protein/CRP
Cystatin C
Myeloperoxidase/MPO
P-Selectin/CD62P
Serpin E1/PAI-1
TIMP-1

### Human CVD Panel 1

<b>HCVD1MAG-67K</b>
BNP
CK-MB
CXCL16
Endocan-1 (ESM-1)
FABP3
FABP4
LIGHT
LIX/CXCL6/GCP-2
NT proBNP
Oncostatin-M (OSM)
Placental Growth Factor (PLGF)
Troponin I (TnI)

### Human CVD Panel 2

<b>HCVD2MAG-67K</b>
ADAMTS13
D-dimer
GDF-15
sICAM-1
Myeloperoxidase (MPO)
Myoglobin
NGAL/Lipocalin-2
sP-Selectin
Serum Amyloid A
sVCAM-1

### Human CVD Panel 3 (Acute Phase)

<b>HCVD3MAG-67K</b>
α-1-Acid Glycoprotein (AGP)
α-2-Macroglobulin
Adipsin/Factor D
CRP
Fetuin A
Fibrinogen
Haptoglobin
sL-Selectin
Platelet Factor 4 (PF4)/CXCL4
Serum Amyloid P (SAP)

### Human CVD Panel 4

<b>HCVD4MAG-67K</b>
sCD31/sPECAM-1
dPAPP-A
sE-Selectin
Follistatin (FST)
Pentraxin-3 (PTX3)
Thrombomodulin
Tissue Factor (TF)
Troponin T (TnT)

### Human CVD Panel 5

<b>HCVD5MAG-67K</b>
ADAM15
Cadherin 13 (CDH13)
sCD163
Chromogranin-A (CHGA/CGA)
HSP60
IGF1R
LDLR
Leptin Receptor (LEPR)/OB-R
MR-ProADM
Notch1
PLA2G7
PTGDS
sST2/IL1RL1
Syndecan 4 (SYND4)

### Human CVD Panel 6

<b>HCVD6MAG-67K</b>
sCD14
DPP4
Endostatin
pGRN
LRG1
MCAM/MUC18
ucMGP

### Human Apolipoprotein

<b>APOMAG-62K</b>
Apo AI
Apo AII
Apo B
Apo CII
Apo CIII
Apo E

## Mouse

### Mouse CVD Panel 1

<b>MCVD1MAG-77K</b>
sCD31/sPECAM-1
sE-Selectin
sICAM-1
ProMMP-9
PAI-1 (total)
sP-Selectin
Thrombomodulin

### Mouse CVD Panel 2

<b>MCVD2MAG-77K</b>
sCD40L
CXCL16
Endocan-1 (ESM-1)
Follistatin (FST)
LIGHT
Oncostatin M (OSM)
PLGF-2
Troponin I (TnI)
Troponin T (TnT)

### Mouse Acute Phase Panel 2

<b>MAP2MAG-76K</b>
Adipsin/Factor D
α-1-Acid Glycoprotein (AGP)
α-2-Macroglobulin
CRP
Haptoglobin
Serum Amyloid P (SAP)

## Rat

### Rat Cardiac Injury Panel 1

<b>RC1MAG-87K</b>
Cardiac Troponin I (cTnI)
Cardiac Troponin T (cTnT)
Creatine Kinase Muscle (CKM)
FABP3
Follistatin-like Protein 1 (FSTL1)
Myosin Light Chain 3 (MYL3)
TIMP-1

### Rat Vascular Injury Panel 1

<b>RV1MAG-26K</b>
Caveolin-1
Connective Tissue
Growth Factor (CTGF)
GROα/KC/CINC-1/CXCL1
IL-6
MCP-1/ CCL2
PAI-1 (total)
TIMP-1
TNFα
VEGF

### Rat Vascular Injury Panel 2

<b>RV2MAG-26K</b>
Adiponectin
sE-Selectin
sICAM-1

### Rat Vascular Injury Panel 3

<b>RV3MAG-26K</b>
α-1-Acid Glycoprotein (AGP)
α-2-Macroglobulin (A2M)
Fibrinogen
Haptoglobin

# Bone

## Human

### Human Bone

<b>HBNMAG-51K</b>
ACTH
DKK1
FGF-23
IL-1β
IL-6
Insulin
Leptin
Osteocalcin (OC)
Osteopontin (OPN)
Osteoprotegerin (OPG)
PTH
Sclerostin (SOST)
TNFα

### Human RANKL - Single plex

<b>HRNKMAG-51K-01</b>
RANKL

## Rat

### Rat Bone Panel 1

<b>RBN1MAG-31K</b>
ACTH
DKK1
FGF-23
Insulin
Leptin
Osteoprotegerin (OPG)
PTH
Sclerostin (SOST)

## Mouse

### Mouse Bone

<b>MBNMAG-41K</b>
ACTH
DKK1
FGF-23
IL-6
Insulin
Leptin
Osteoprotegerin (OPG)
Sclerostin (SOST)
TNFα

# Immune Response

## Human

<b>Human Autoimmune Autoantibody</b>	<b>Human Sepsis Panel 1</b>	<b>Human Immunoglobulin Isotyping</b>
<b>HAIAB-10K</b>	<b>HSP1MAG-63K</b>	<b>HGAMMAG-301K</b>
β2-Glycoprotein	sFAS/TNFRSF6	IgA
C1q	sFasL	IgG1
CENP-A (Centromere Protein A)	sICAM-1	IgG2
CENP-B (Centromere Protein B)	MIF	IgG3
Jo-1	PAI-1 (total)	IgG4
Ku	sVCAM-1	IgM
Mi-2		
Myeloperoxidase (MPO)		
PCNA	<b>Human Sepsis Panel 2</b>	<b>Human IgE – Singleplex</b>
PL-12 (Alanyl-tRNA Synthetase)	<b>HSP2MAG-63K</b>	<b>HGAMMAG-303E</b>
PM/Sci 100	Granzyme B	IgE
Proteinase 3	HSP70	
Ribosomal P	IL-1α	
RNP (Ribonucleoprotein)	IL-8/CXCL8	
RNP/Smith (RNP/Sm)	MIP-1α/CCL3	
Scl-70	MIP-1β/CCL4	
Sm	MMP-8	
SSA/Ro52		
SSA/Ro60		
SB/La		
	<b>Human Sepsis Panel 3</b>	<b>Mouse</b>
<b>Human Cytokine Autoantibody</b>	<b>HSP3MAG-63K</b>	<b>Mouse Immunoglobulin Isotyping</b>
<b>HCYTAAB-17K</b>	Lactotransferrin (LTF)	<b>MGAMMAG-300K</b>
BAFF/Blys	Neutrophil Elastase-2 (ELA2)	IgA
G-CSF	NGAL/Lipocalin-2	IgG1
IFNβ	Resistin	IgG2a
IFNγ	Thrombospondin-1 (TSP-1)	IgG2b
IL-1α		IgG3
IL-6		IgM
IL-8/CXCL8		
IL-10	<b>Human Skin</b>	<b>Mouse IgE – Singleplex</b>
IL-12(p40)	<b>SKINMAG-50K</b>	<b>MGAMMAG-300E</b>
IL-15	Cortisol	IgE
IL-17A/CTLA8	Fibronectin	
IL-17F	Human Serum Albumin (HSA)	
IL-22	Involucrin	
TNFα	Keratin-1,10	
	Keratin-6	

# Neuroscience

## Human

<b>Human Amyloid Beta and Tau</b>	<b>Human Neurodegenerative Disease Panel 2</b>	<b>Human Neurological Disorders Panel 3</b>	<b>Mouse Amyloid Beta</b>
<b>HNABTMAG-68K</b>	<b>HNDG2MAG-36K</b>	<b>HND3MAG-39K</b>	<b>MABMAG-83K</b>
Amyloid β 1-40	α-1-Antitrypsin (A1AT)	Angiotensinogen (AGT)	Amyloid β 1-40
Amyloid β 1-42	C4	Contactin-1	Amyloid β 1-42
pTau (Thr181)	CRP	Fetuin A	
Tau (total)	MIP-4/PARC/CCL18	Kallikrein-6	<b>Mouse Neuropeptide</b>
	PEDF	Osteopontin (OPN)	<b>RMNPMAG-83K</b>
	Serum Amyloid P (SAP)	Soluble Superoxide Dismutase 1 (sSOD1)	α-MSH
		Soluble Superoxide Dismutase 2 (sSOD2)	β-Endorphin
			Neurotensin
			Oxytocin
			Substance P
<b>Human Neuroscience Panel 1</b>	<b>Human Neurodegenerative Disease Panel 3</b>	<b>Human Neuropeptide</b>	
<b>HNS1MAG-95K</b>	<b>HNDG3MAG-36K</b>	<b>HNPAG-35K</b>	
α-Synuclein	BDNF	α-MSH	
Glial Fibrillary Acidic Protein (GFAP)	Cathepsin D	β-Endorphin	
Neuron-specific Enolase (NSE)	sICAM-1	Neurotensin	
PARK5/UCHL1	Myeloperoxidase (MPO)	Oxytocin	
PARK7/DJ1	sNCAM	Substance P	
Transglutaminase 2 (TGM2)	PAI-1 (total)		
	PDGF-AA		
	PDGF-AB/BB		
	RANTES/CCL5		
	sVCAM-1		
<b>Human Neuroscience Panel 2</b>	<b>Human Neurodegenerative Disease Panel 4</b>	<b>Human Circadian Stress</b>	<b>Rat</b>
<b>HNS1MAG-95K</b>	<b>HNDG4MAG-36K</b>	<b>HNCMAG-35K</b>	<b>Rat Neuropeptide</b>
Angiogenin (ANG)	Amyloid β 1-40	Cortisol	<b>RMNPMAG-83K</b>
ApoE4	Amyloid β 1-42	Melatonin	α-MSH
FABP3	GDNF		β-Endorphin
Ferritin	sRAGE		Neurotensin
Neurogranin (NRGN)	S100B		Oxytocin
PRNP (Prion Protein)			Substance P
TREM2			
<b>Human Neurodegenerative Disease Panel 1</b>			
<b>HNDG1MAG-36K</b>			
α-2-Macroglobulin			
Apo AI			
Apo CIII			
Apo E			
Complement Factor C3			
Complement Factor H (CFH)			



# Toxicity

## Human

### Human Kidney Biomarker Panels Custom

<b>FCSTM16/LHK000</b>
Clusterin
CXCL10/IP-10/CRG-2
Cystatin C
Lipocalin-2/NGAL
Osteopontin/OPN
RBP4/Retinol-Binding Protein 4
TFF3
TIM-1/KIM-1/HAOCR

### Human Kidney Injury Panel 1 (Urine samples)

<b>HKI1MAG-99K</b>
Calbindin
Collagen IV
FABP1
GSTα
IP-10/CXCL10
KIM-1
Osteoactivin
Renin
TFF-3
TIMP-1

### Human Kidney Injury Panel 2 (Urine samples)

<b>HKI2MAG-99K</b>
α-1-Microglobulin
Albumin
Clusterin
Cystatin C
EGF
NGAL/Lipocalin-2
Osteopontin (OPN)

### Human Kidney Injury Panel 3 (Urine samples)

<b>HKI3MAG-99K</b>
β-2-Microglobulin
RBP4
Uromodulin

### Human Kidney Injury Panel 4

<b>HKI4MAG-99K</b>
EGF
FABP1
IP-10/CXCL10
KIM-1
Osteopontin (OPN)
PTH
Renin

### Human Kidney Injury Panel 5

<b>HKI5MAG-99K</b>
α-1-Microglobulin
Collagen IV
NGAL/Lipocalin-2
Osteoactivin
TIMP-1
Uromodulin

### Human Kidney Injury Panel 6

<b>HKI6MAG-99K</b>
β-2-Microglobulin
Clusterin
Cystatin C
RBP4

### Human Liver Injury

<b>HLINJMAG-75K</b>
5'NT/CD73
ARG1
GSTα
MDH1
SDH

## Mouse

### Mouse Kidney Injury Panel 1

<b>MKI1MAG-94K</b>
β-2-Microglobulin
IP-10/CXCL10
KIM-1
Renin
TIMP-1
VEGF-A

### Mouse Kidney Injury Panel 2

<b>MKI2MAG-94K</b>
Clusterin
Cystatin C
EGF
NGAL/Lipocalin-2
Osteopontin (OPN)

## Rat

### Rat Kidney Toxicity Panel 1 (Urine samples)

<b>RKTX1MAG-37K</b>
Calbindin
Clusterin
GSTα
IP-10/CXCL10
KIM-1
Osteopontin (OPN)
TIMP-1
VEGF-A

### Rat Kidney Toxicity Panel 2 (Urine samples)

<b>RKTX2MAG-37K</b>
α-1-Acid Glycoprotein (AGP)
Albumin
β-2-Microglobulin
Cystatin C
EGF
NGAL/Lipocalin-2

### Rat Liver Injury

<b>RLI1MAG-92K</b>
5'NT/CD73
ARG1
GOT1
GSTα
SDH

## Others

### Canine Kidney Toxicity Expanded Panel 1 (Urine samples)

<b>CKT1MAG-97K</b>
Clusterin
Cystatin C
IL-8/CXCL8
KIM-1
MCP-1/CCL2
NGAL/Lipocalin-2
Osteopontin (OPN)

### Canine Kidney Toxicity Panel 2 (Urine samples)

<b>CKT2MAG-97K</b>
Albumin
β-2-Microglobulin
RBP4
TFF-3

# Signaling

### Akt/mTOR (Phosphoprotein) – 11 Plex

<b>48-611MAG</b>	
Akt/PKB (Ser473)	H, M, R
GSK3α (Ser21)	H, M, R
GSK3β (Ser9)	H, M, R
IGF1R (Tyr1135/1136)	H, M
IR (Tyr1162/1163)	H
IRS1 (Ser636)	H, R
mTOR (Ser2448)	H, M
p70S6 Kinase (Thr389/412)	H, M, R
PTEN (Ser380)	H, M, R
RPS6 (Ser235/236)	H, M, R
TSC2 (Ser939)	H, M, R

### Akt/mTOR (Total) – 11 Plex

<b>48-612MAG</b>	
Akt/PKB	H, M, R
GSK3α	H, M, R
GSK3β	H, M, R
IGF1R	H, M, R
IR	H, R
IRS1	H, M, R
mTOR	H, M, R
p70S6 Kinase	H, M, R
PTEN	H, M, R
RPS6	H, M, R
TSC2	H, M, R

### Early Apoptosis – 7 Plex

<b>48-669MAG</b>	
Akt/PKB (Ser473)	H, M, R
BAD (Ser112)	H
Bcl-2 (Ser70)	H
Active Caspase 8	H
Active Caspase 9	H
JNK/SAPK1 (Thr183/Tyr185)	H, M, R
p53 (Ser46)	H

### Human Bcl-2 Family Apoptosis Panel 1 - 6 Plex

<b>48-682MAG</b>	
BAD (Ser112)	H
BAD	H
BAX	H
Bcl-xL/BAD	H
BIM	H
Mcl-1/BIM	H

### Human Bcl-2 Family Apoptosis Panel 2 - 4 Plex

<b>48-683MAG</b>	
Bcl-2	H
Bcl-xL	H
Mcl-1	H
NOXA/Mcl-1	H

### Human DNA Damage/Genotoxicity – 7 Plex

<b>48-621MAG</b>	
ATR	H
Chk1 (Ser345)	H, M, R
Chk2 (Thr68)	H
H2AX (Ser139)	H, M, R
MDM2	H, M, R
p21	H
p53 (Ser15)	H

### MAPK/SAPK (Phosphoprotein) – 10 Plex

<b>48-660MAG</b>	
ATF2 (Thr71)	H, M
c-Jun (Ser73)	H, M, R
Erk/MAPK 1/2 (Thr185/Tyr187)	H, M, R
HSP27 (Ser78)	H
JNK/SAPK1 (Thr183/Tyr185)	H, M, R
MEK1 (Ser222)	H, M, R
MSK1 (Ser212)	H, M

## Signaling

p38/SAPK2A/B (Thr180/Tyr182)	H, M, R
p53 (Ser15)	H
STAT1 (Tyr701)	H, M

Human RTK (Phosphoprotein)	
HPRTKMAG-01K (Select analytes)	
c-Kit (pan Tyr)	H
c-Met/HGFR (pan Tyr)	H
ErbB1/EGFR (pan Tyr)	H
ErbB2/HER2 (pan Tyr)	H
ErbB3/HER3 (pan Tyr)	H
ErbB4/HER4 (pan Tyr)	H
FGFR1 (pan Tyr)	H
Flt3 (pan Tyr)	H
IGF1R (pan Tyr)	H
IR (pan Tyr)	H
MSCFR (pan Tyr)	H
PDGFR $\alpha$ (pan Tyr)	H, M, R
PDGFR $\beta$ (pan Tyr)	H
TIE1 (pan Tyr)	H
TIE2 (pan Tyr)	H
VEGFR1/Flt-1 (pan Tyr)	H
VEGFR2/KDR/Flk-1 (pan Tyr)	H
VEGFR3/Flt-4 (pan Tyr)	H, M, R

Multi-Pathway (Phosphoprotein) — 9 Plex	
48-680MAG	
Akt/PKB (Ser473)	H, M, R
CREB (Ser133)	H, M, R
Erk/MAPK 1/2 (Thr185/Tyr187)	H, M, R
JNK/SAPK1 (Thr183/Tyr185)	H, M, R
NF $\kappa$ B (Ser536)	H
p38/SAPK2A/B (Thr180/Tyr182)	H, M, R
p70S6 Kinase (Thr389/412)	H, M, R
STAT3 (Ser727)	H, M, R
STAT5A/B (Tyr694/699)	H, M, R

Multi-Pathway (Total) — 9 Plex	
48-681MAG	
Akt/PKB	H, M, R
CREB	H, M, R
Erk/MAPK 1/2	H, M, R
JNK/SAPK1	H, M, R
NF $\kappa$ B	H, M, R
p38/SAPK2A/B	H, M, R
p70S6 Kinase	H, M, R

STAT3	H, M, R
STAT5A/B	H, M, R

NF $\kappa$ B — 6 Plex	
48-630MAG	
c-Myc	H
FADD (Ser194)	H
I $\kappa$ B $\alpha$ (Ser32)	H
IKK $\alpha$ / $\beta$ (Ser177/181)	H
NF $\kappa$ B (Ser536)	H, M
TNFR1	H

Protein Translation — 6 Plex	
48-655MAG	
eIF2a (Ser51)	H, M, R
eIF-4B (Ser422)	H, M, R
eIF-4E (Ser209)	H, M, R
eIF-4G (Ser1108)	H, M, R
4E-BP1 (Thr37/46)	H, M, R
4E-BP1	H, M, R

Src Family Kinase Active Site (Phosphoprotein) — 8 Plex	
48-650MAG	
Blk (Tyr389)	H
Fgr (Tyr412)	H, R
Fyn (Tyr420)	H, M, R
Hck (Tyr411)	H, M
Lck (Tyr394)	H, M, R
Lyn (Tyr397)	H, R
Src (Tyr419)	H, M, R
Yes (Tyr421)	H, M, R

STAT (Phosphoprotein) — 5 Plex	
48-610MAG	
STAT1 (Tyr701)	H, M
STAT2 (Tyr690)	H
STAT3 (Tyr705)	H, M, R
STAT5A/B (Tyr694/699)	H, M, R
STAT6 (Tyr641)	H

T-Cell Receptor (Phosphoprotein) — 7 Plex	
48-690MAG	
CD3 $\epsilon$ (pan Tyr)	H

CREB (Ser133)	H, M, R
Erk/MAPK 1/2 (Thr185/Tyr187)	H, M, R
LAT (pan Tyr)	H
Lck (pan Tyr)	H, M, R
Syk (pan Tyr)	H
ZAP-70 (pan Tyr)	H

TGF $\beta$ — 6 Plex	
48-614MAG	
Akt/PKB (Ser473)	H
Erk/MAPK 1/2 (Thr185/Tyr187)	H, M, R
SMAD2 (Ser465/467)	H, M, R
SMAD3 (Ser423/425)	H, M, R
SMAD4	H, M, R
TGF $\beta$ RII	H

Akt Phospho/Total — 2 Plex	
48-618MAG	
Akt/PKB (Ser473)	H, M, R
Akt/PKB	H, M, R

Akt1 Phospho/Total — 2 Plex	
48-631MAG	
Akt1 (Ser473)	H, M, R
Akt1	H, M, R

Akt2 Phospho/Total — 2 Plex	
48-632MAG	
Akt2 (Ser474)	H, M, R
Akt2	H, M, R

Akt3 Phospho/Total — 2 Plex	
48-633MAG	
Akt3 (Ser472)	H, M, R
Akt3	H, M, R

CREB Phospho/Total — 2 Plex	
48-628MAG	
CREB (Ser133)	H, M, R
CREB	H, M, R

Erk/MAPK 1/2 Phospho/Total — 2 Plex	
48-619MAG	
Erk/MAPK 1/2 (Thr185/Tyr187)	H, M, R
Erk/MAPK 1/2	H, M, R

IRS1 Phospho/Total — 2 Plex	
48-626MAG	
IRS1 (Ser636)	H, M
IRS1	H, M, R

JNK Phospho/Total — 2 Plex	
48-622MAG	
JNK/SAPK1 (Thr183/Tyr185)	H, M, R
JNK/SAPK1	H, M, R

mTOR Phospho/Total — 2 Plex	
48-625MAG	
mTOR (Ser2448)	H, M, R
mTOR	H, M

p38 Phospho/Total — 2 Plex	
48-624MAG	
p38/SAPK2A/B (Thr180/Tyr182)	H, M, R
p38/SAPK2A/B	H, M, R

STAT3 Phospho/Total — 2 Plex	
48-623MAG	
STAT3 (Tyr705)	H, M, R
STAT3	H, M, R

MAPmate™ Kits	
$\beta$ -Tubulin (total) 46-713MAG	H, M, R
GAPDH (total) 46-667MAG	H
Akt/PKB (Ser473) 46-677MAG	H, M, R
Akt/PKB (total) 46-675MAG	H, M, R
BAD (Ser112) 46-694MAG	H, M
Caspase 3 (Active) 46-604MAG	H, M
ERK/MAPK 1/2 (Thr185/Tyr187) 46-602MAG	H, M, R
ERK/MAPK 1/2 (total) 46-609MAG	H, M, R
JNK/SAPK1 (Thr183/Tyr185) 46-613MAG	H, M

JNK/SAPK1 (total) 46-618MAG	H, M
mTOR (Ser2448) 46-686MAG	H, M, R
mTOR (total) 46-685MAG	H, M, R
p38/SAPK2A/B (Thr180/Tyr182) 46-610MAG	H, M, R
p38/SAPK2A/B (total) 46-612MAG	H, M, R
Cleaved PARP (total) 46-656MAG	H
STAT1 (Tyr701) 46-655MAG	H, M
STAT1 (total) 46-654MAG	H, M