

HUMAN

Immunology

Human Cytokine/Chemokine Panel I

- ☐ (Cat. No. HCYTOMAG-60K)
- 29 (Cat. No. HCYTMAG-60K-PX29)
- 29 (Bulk Cat. No. HCYTMAG60PMX29BK)
- 30 (Cat. No. HCYTMAG-60K-PX30) ◆
- 30 (Bulk Cat. No. HCYTMAG60PMX30BK) ◆
- 38 (Cat. No. HCYTMAG-60K-PX38)
- 38 (Bulk Cat. No. HCYTMAG60PMX38BK)
- 41 (Cat. No. HCYTMAG-60K-PX41)
- 41 (Bulk Cat. No. HCYTMAG60PMX41BK)

sCD40L	IL-9
EGF ◆	IL-10 ◆
Eotaxin/CCL11 ◆	IL-12 (p40) ◆
FGF-2/FGF-basic	IL-12 (p70) ◆
Flt3 Ligand	IL-13 ◆
Fractalkine/CX3CL1	IL-15 ◆
G-CSF ◆	IL-17A/CTLA8 ◆
GM-CSF ◆	IP-10/CXCL10 ◆
GRO	MCP-1/CCL2 ◆
IFNα2 ◆	MCP-3/CCL7
IFNγ ◆	MDC/CCL22
IL-1α ◆	MIP-1α/CCL3 ◆
IL-1β ◆	MIP-1β/CCL4 ◆
IL-1Ra ◆	PDGF-AA ▲
IL-2 ◆	PDGF-AB/BB ▲
IL-3 ◆	RANTES/CCL5 ◆▲
IL-4 ◆	TGFα
IL-5 ◆	TNFα ◆
IL-6 ◆	TNFβ/Lymphotoxin-α (LTA) ◆
IL-7 ◆	VEGF-A ◆
IL-8/CXCL8 ◆	

Human Cytokine/Chemokine Panel II

- ☐ (Cat. No. HCP2MAG-62K)
- 23 (Cat. No. HCP2MAG-62K-PX23)
- 23 (Bulk Cat. No. HCP2MAG62KPX23BK)

6Ckine/CCL21/Exodus-2	IL-28A/IFNλ2
BCA-1/CXCL13	IL-33/NF-HEV (mature)
CTACK/CCL27	LIF
ENA-78/CXCL5	MCP-2/CCL8
Eotaxin-2/CCL24/ MIPF-2	MCP-4/CCL13
Eotaxin-3/CCL26	MIP-1δ/MIP-5/CCL15
I-309/CCL1	SCF
IL-16	SDF-1/CXCL12
IL-20	TARC/CCL17
IL-21	TPO
IL-23	TRAIL/TNFSF10
	TSLP

Human Cytokine/Chemokine Panel III

(Cat. No. HCP3MAG-63K)

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

Human Cytokine/Chemokine Panel IV

- ☐ (Cat. No. HCP4MAG-64K)
- 21 (Cat. No. HCY4MG-64K-PX21)
- 21 (Cat. No. HCP4MG64KPX21BK)

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

Human IL-18 Singleplex

(Cat. No. HIL18MAG-66K) **NEW**

IL-18

Human High Sensitivity T Cell

- ☐ (Cat. No. HSTCMAG-28SK)
- 13 (Cat. No. HSTCMAG28SPMX13) ◆
- 13 (Bulk Cat. No. HSTCMAG28PMX13BK) ◆
- 21 (Cat. No. HSTCMAG28SPMX21)
- 21 (Bulk Cat. No. HSTCMAG28PMX21BK)

Fractalkine/CX3CL1	IL-12 (p70) ◆
GM-CSF ◆	IL-13 ◆
IFNγ ◆	IL-17A/CTLA8
IL-1β ◆	IL-21
IL-2 ◆	IL-23
IL-4 ◆	I-TAC/CXCL11
IL-5 ◆	MIP-1α/CCL3
IL-6 ◆	MIP-1β/CCL4
IL-7 ◆	MIP-3α/CCL20
IL-8/CXCL8 ◆	TNFα ◆
IL-10 ◆	

384-well Human High Sensitivity T Cell

(Cat. No. HSTC384-28K)

- 21 (Cat. No. HSTCMAG384-PX21)
- 21 (Bulk Cat. No. HSTCMAG384PX21BK)

Fractalkine/CX3CL1	IL-12 (p70)
GM-CSF	IL-13
IFNγ	IL-17A/CTLA8
IL-1β	IL-21
IL-2	IL-23
IL-4	I-TAC/CXCL11
IL-5	MIP-1α/CCL3
IL-6	MIP-1β/CCL4
IL-7	MIP-3α/CCL20
IL-8/CXCL8	TNFα
IL-10	

Human Th17

(Cat. No. HTH17MAG-14K)

- 25 (Cat. No. HT17MG-14K-PX25)
- 25 (Bulk Cat. No. HT17MAG14PMX25BK)

GM-CSF	IL-17E/IL-25
IFNγ	IL-17F
IL-1β	IL-21
IL-2	IL-22
IL-4	IL-23
IL-5	IL-27
IL-6	IL-28A/IFNλ2
IL-9	IL-31
IL-10	IL-33/NF-HEV (mature)
IL-12 (p70)	MIP-3α/CCL20
IL-13	MIP-3α/CCL20
IL-15	TNFα
IL-17A/CTLA8	TNFβ/Lymphotoxin-α (LTA)

Human CD8+ T Cell

- ☐ (Cat. No. HCD8MAG-15K)
- 17 (Cat. No. HCD8MAG15K17PMX)
- 17 (Bulk Cat. No. HCD8MAG15KPX17BK)

sCD137/4-1BB/ TNFRSF9	IL-4
sFAS/TNFRSF6	IL-5
sFasL	IL-6
GM-CSF	IL-10
Granzyme A	IL-13
Granzyme B	MIP-1α/CCL3
IFNγ	MIP-1β/CCL4
IL-2	Perforin
	TNFα

Legend key for MILLIPLEX® MAP kits

- † Analytes which cannot be plexed together:
 - Active and total
 - Free and total
- ◆ Available in Cat. No. listed
- ▼ Premix panel only
- Bulk indicates Space Saver Packaging

- ▲ These analytes cannot be plexed with other analytes in this panel in serum/plasma
- ▮ Requires a protease inhibitor during sample collection
- Requires sample extraction
- ** No standard/QC; autoantibody levels are reported as MFIs

- Serum/Plasma only
- ★ Tissue Culture samples only
- ^ Competitive assay format
- ☐ Available for custom premix
- Analyte requires a different sample dilution from others in panel

Human Soluble Cytokine Receptor

(Cat. No. HSCRMAG-32K)

14 (Cat. No. HSCRMAG32KPX14)

14 (Bulk Cat. No. HSCRMAG32PMX14BK)

sCD30	sIL-6R
sEGFR/sHER1/ErbB1	sRAGE
sGP130	sTNF RI
sIL-1RI	sTNF RII
sIL-1RII	sVEGFR1/sFlt-1
sIL-2R α	sVEGFR2/sKDR/sFlk-1
sIL-4R	sVEGFR3/sFlt-4

Human Complement Panel 1

(Cat. No. HCMP1MAG-19K)

Adipsin/Factor D	C5a
C2	C9
C4b	Factor I
C5	Mannose-binding Lectin (MBL)

Human Complement Panel 2

(Cat. No. HCMP2MAG-19K)

C1q	Factor B
C3	Factor H
C3b/iC3b	Factor P/Properdin
C4	

Human MMP Panel 1

(Cat. No. HMMP1MAG-55K)

MMP-3	MMP-13
MMP-12	

Human MMP Panel 2

(Cat. No. HMMP2MAG-55K)

MMP-1	MMP-9
MMP-2	MMP-10
MMP-7	

Human TIMP Panel 1 (Serum/Plasma samples)

(Cat. No. HTMP1MAG-54K)

TIMP-1	TIMP-2
--------	--------

Human TIMP Panel 2 (Cell culture samples)

(Cat. No. HTMP2MAG-54K)

TIMP-1	TIMP-3
TIMP-2	TIMP-4

Multi-Species TGF β – Singleplex

(Cat. No. TGFBMAG-64K-01)

(Bulk Cat. No. TGFBMAG-64K-01BK)

TGF β 1**Multi-Species TGF β – 3 Plex ▼**

(Cat. No. TGFBMAG-64K-03)

NON-CONFIGURABLE KIT

TGF β 1	TGF β 3
TGF β 2	

Immune Response**Human Autoimmune Autoantibody****

(Cat. No. HAIAB-10K)

β 2-Glycoprotein	Ribosomal P RNP
C1q	(Ribonucleoprotein)
CENP-A (Centromere Protein A)	RNP/Smith (RNP/Sm)
CENP-B (Centromere Protein B)	Scl-70
Jo-1	Sm
Ku	SSA/Ro52 (Sjögren's Syndrome-related antigen A/Ro52 kDa)
Mi-2	SSA/Ro60 (Sjögren's Syndrome-related antigen A/Ro60 kDa)
Myeloperoxidase (MPO)	SB/La (Sjögren's Syndrome-related antigen B/La)
PCNA (Proliferating Cell Nuclear Antigen A)	
PL-12 (Alanyl-tRNA Synthetase)	
PM/Sci 100	
Proteinase 3	

Human Sepsis Panel 1

(Cat. No. HSP1MAG-63K)

sFAS/TNFRSF6	MIF
sFasL	PAI-1 (total)
sICAM-1	sVCAM-1

Human Sepsis Panel 2

(Cat. No. HSP2MAG-63K)

Granzyme B	MIP-1 α /CCL3
HSP70	MIP-1 β /CCL4
IL-1 α	MMP-8
IL-8/CXCL8	

Human Sepsis Panel 3

(Cat. No. HSP3MAG-63K)

Lactotransferrin (LTF)	Resistin
Neutrophil Elastase-2 (ELA2)	Thrombospondin-1 (TSP-1)
NGAL/Lipocalin-2	

Human Skin (Skin extracts only)

(Cat. No. SKINMAG-50K)

Cortisol ^	Involucrin
Fibronectin	Keratin-1,10
Human Serum Albumin (HSA)	Keratin-6

Human Immunoglobulin Isotyping

1 (Cat. No. HGAMMAG-301K)

IgA	IgG3
IgG1	IgG4
IgG2	IgM

Human IgE – Singleplex

(Cat. No. HGAMMAG-303E)

IgE

Metabolism/Endocrinology**Human Adipokine Panel 1 (Serum/Plasma samples)**

(Cat. No. HADK1MAG-61K)

Adiponectin	PAI-1 (total)
Adipsin/Factor D	Resistin
NGAL/Lipocalin-2	

Human Adipokine Panel 2 (Serum/Plasma samples)

(Cat. No. HADK2MAG-61K)

HGF	Leptin
IL-1 β	MCP-1/CCL2
IL-6	NGF
IL-8/CXCL8	TNFA
Insulin	

Human Adipocyte (Cell culture samples)

(Cat. No. HADCYMAG-61K)

Adiponectin	MCP-1/CCL2
HGF	NGF
IL-1 β	PAI-1 (total)
IL-6	Resistin
IL-8/CXCL8	TNFA
Leptin	

Human Diabetes ▼

5 (Cat.No. HDIAB-34K-PMX5)

5 (Bulk Cat. No. HDIAB34KPMX5BK)

NON-CONFIGURABLE KIT

C-Peptide	Insulin
GLP-1 (active)▶	Leptin
Glucagon▶	

Human Metabolic Hormone

(Cat. No. HMHEMAG-34K)

Amylin (active)▶	IL-6
Amylin (total)▶	Insulin
C-Peptide	Leptin
Ghrelin (active)▶	MCP-1/CCL2
GIP (total)	Pancreatic Polypeptide (PP)
GLP-1 (active)▶	PYY (total)
GLP-1 (total)▶	TNFA
Glucagon▶	

Human Myokine

(Cat. No. HMYOMAG-56K)

Apelin	IL-15
BDNF	Irisin
Erythropoietin (EPO)	LIF
FABP3	Myostatin/GDF8
FGF-21	Oncostatin-M (OSM)
Fractalkine/CX3CL1	Osteocrin (OSTN)/Musclin
FSTL1	
IL-6	Osteonectin/SPARC

Human Aging Panel 1(Cat. No. HAGE1MAG-20K) **NEW**

CTACK/CCL27	IL-10*
FGF-21	IL-18
GDF-11	Jag1
GDF-15	Leptin
GnRH	Wnt-3a
IL-6	

Human Liver Protein

(Cat. No. HLPPMAG-57K)

α-Fetoprotein (AFP)	FGF-19
ANGPTL3	FGF-21
ANGPTL4	FGF-23
ANGPTL6	HGF
FABP1	

Human IGF Binding Protein

(Cat. No. HIGFBMAG-53K)

IGFBP1	IGFBP5
IGFBP2	IGFBP6
IGFBP3	IGFBP7
IGFBP4	

Human IGF

(Cat. No. HIGFMAG-52K)

IGF-1	IGF-2
-------	-------

Human Pituitary Panel 1

(Cat. No. HPTP1MAG-66K)

ACTH	FSH
Agouti-Related Protein (AgRP)	GH
CNTF	LH
	TSH

Multi-Species Hormone

(Cat. No. MSHMAG-21K)

Cortisol	Testosterone
Estradiol	T3
Progesterone	T4

Cardiovascular**Human CVD Panel 1**

(Cat. No. HCVD1MAG-67K)

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

Human CVD Panel 2

(Cat. No. HCVD2MAG-67K)

ADAMTS13	Myoglobin
D-dimer	NGAL/Lipocalin-2
GDF-15	sP-Selectin
sICAM-1	Serum Amyloid A
Myeloperoxidase (MPO)	svCAM-1

Human CVD Panel 3 (Acute Phase)

(Cat. No. HCVD3MAG-67K)

α-1-Acid Glycoprotein (AGP)	Haptoglobin
α-2-Macroglobulin	sL-Selectin
Adipsin/Factor D	Platelet Factor 4 (PF4)/CXCL4
CRP	Serum Amyloid P (SAP)
Fetuin A	von Willebrand Factor (vWF)
Fibrinogen	

Human CVD Panel 4

(Cat. No. HCVD4MAG-67K)

sCD31/sPECAM-1	Pentraxin-3 (PTX3)
dPAPP-A	Thrombomodulin
sE-Selectin	Tissue Factor (TF)
Follistatin (FST)	Troponin T (TnT)

Human CVD Panel 5

(Cat. No. HCVD5MAG-67K)

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

Human CVD Panel 6

(Cat. No. HCVD6MAG-67K)

sCD14	LRG1
DPP4	MCAM/MUC18
Endostatin	ucMGP
pGRN	

Human Apolipoprotein

(Cat. No. APOMAG-62K)

Apo AI	Apo CII
Apo AII	Apo CIII
Apo B	Apo E

Bone**Human Bone**

(Cat. No. HBNMAG-51K)

ACTH	Osteocalcin (OC)
DKK1	Osteopontin (OPN)
FGF-23	Osteoprotegerin (OPG)
IL-1β	PTH
IL-6	Sclerostin (SOST)
Insulin	TNFα
Leptin	

Human RANKL – Singleplex

(Cat. No. HRNKL MAG-51K-01)

RANKL

Cancer**Human Immuno-Oncology Checkpoint Protein**

(Cat. No. HCKPMAG-11K)

BTLA	GITRL
CD27	HVEM
CD28	ICOS
CD40	LAG-3
CD80/B7-1	PD-1
CD86/B7-2	PD-L1
CTLA-4/CD152	TIM-3
GITR	TLR-2

Human Cancer Autoantibody**(Cat. No. HCABMAG-13K) **NEW**

CCNB1/Cyclin B1	IGF2BP2/IMP2
CTAG1B/NY-ESO-1	IGF2BP3/IMP3
ENO1	Mucin-1 (MUC1)
Galectin-1 (GAL1)	P16-INK4a
Galectin-3 (GAL3)	p53
HER2/ErbB2	SOX2
HIF-1α	Survivin/BIRC5
HSP60	

Human Circulating Cancer Biomarker Panel 1

(Cat. No. HCCBP1MAG-58K)

α-Fetoprotein (AFP)	IL-8/CXCL8
CA125	Leptin
CA15-3	MIF
CA19-9	Osteopontin (OPN)
CEA	Prolactin
CYFRA21-1	PSA (free)†
sFAS/TNFRSF6	PSA (total)†
sFasL	SCF
FGF-2/FGF-basic	TGFα
HCGβ	TNFα
HE4	TRAIL/TNFSF10
HGF	VEGF-A
IL-6	

Legend key for MILLIPLEX® MAP kits

- † Analytes which cannot be plexed together:
 - Active and total
 - Free and total
- ◆ Available in Cat. No. listed
- ▼ Premix panel only
- Bulk indicates Space Saver Packaging

- ▲ These analytes cannot be plexed with other analytes in this panel in serum/plasma
- ▮ Requires a protease inhibitor during sample collection
- Requires sample extraction
- ** No standard/QC; autoantibody levels are reported as MFIs

- Serum/Plasma only
- ★ Tissue Culture samples only
- ^ Competitive assay format
- ⊗ Available for custom premix
- Analyte requires a different sample dilution from others in panel

Human Circulating Cancer Biomarker Panel 2

(Cat. No. HCCBP2MAG-58K)

Antithrombin III Complement Factor H (CFH)	Extracellular Matrix Protein 1 (ECM1) Vitamin D Binding Protein
--	--

Human Circulating Cancer Biomarker Panel 3

(Cat. No. HCCBP3MAG-58K)

Cathepsin D Ferritin Fibroblast Activation Protein (FAP) Galectin-3 IGFBP3	Melanoma Inhibitory Activity (MIA) Myeloperoxidase (MPO) Sex Hormone Binding Globulin (SHBG)
---	---

Human Circulating Cancer Biomarker Panel 4

(Cat. No. HCCBP4MAG-58K)

ALDH1A1 Carbonic Anhydrase 9 (CA9) CD44 EpCAM Hepsin	Kallikrein-6 Mesothelin Midkine NCAML1/L1CAM/ CD171 Transglutaminase 2 (TGM2)
---	---

Human Cancer/Metastasis Biomarker Panel 1

(Cat. No. HCMBMAG-22K)

DKK1 GDF-15 Neuron-specific Enolase (NSE) Osteonectin/SPARC	Osteoprotegerin (OPG) Periostin TRAP5 TWEAK YKL40/CHI3L1
---	---

Human Angiogenesis/Growth Factor Panel 1

(Cat. No. HAGP1MAG-12K)

Angiopoietin-2 BMP-9 EGF Endoglin Endothelin-1 FGF-1/FGF-acidic FGF-2/FGF-basic Follistatin (FST) G-CSF	HB-EGF HGF IL-8/CXCL8 Leptin Placental Growth Factor (PLGF) VEGF-A VEGF-C VEGF-D
---	--

Human Angiogenesis Panel 2

(Cat. No. HANG2MAG-12K)

Angiostatin/Kringle sAXL sCD31/sPECAM-1 sc-Kit/sStem Cell Factor Receptor (SCFR) sE-Selectin sEGFR/sHER1/sErbB1 sHER2/sEGFR2/ sErbB2 sHER3/sEGFR3/ sErbB3 shGFR/sc-Met	sIL-6Ra 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
--	--

Neuroscience**Human Amyloid Beta and Tau (CSF samples)**

(Cat. No. HNABTMAG-68K)

Amyloid beta 1-40 Amyloid beta 1-42	pTau (Thr181) Tau (total)
--	------------------------------

Human Neuroscience Panel 1 (CSF samples)

(Cat. No. HNS1MAG-95K)

α -Synuclein Glial Fibrillary Acidic Protein (GFAP) Neuron-specific Enolase (NSE)	PARK5/UCHL1 PARK7/DJ1 Transglutaminase 2 (TGM2)
--	--

Human Neuroscience Panel 2

(Cat. No. HNS2MAG-95K)

Angiogenin (ANG) ^o ApoE4 ^o FABP3 Ferritin	Neurogranin (NRGN) PRNP (Prion Protein) TREM2
--	---

Human Neurodegenerative Disease Panel 1

(Cat. No. HNDG1MAG-36K)

α -2-Macroglobulin Apo AI Apo CIII Apo E	Complement Factor C3 Complement Factor H (CFH)
--	---

Human Neurodegenerative Disease Panel 2

(Cat. No. HNDG2MAG-36K)

α -1-Antitrypsin (A1AT) C4 CRP	MIP-4/PARC/CCL18 PEDF Serum Amyloid P (SAP)
---	--

Human Neurodegenerative Disease Panel 3

(Cat. No. HNDG3MAG-36K)

BDNF Cathepsin D sICAM-1 Myeloperoxidase (MPO) sNCAM	PAI-1 (total) PDGF-AA PDGF-AB/BB RANTES/CCL5 sVCAM-1
---	--

Human Neurodegenerative Disease Panel 4 (CSF samples)

(Cat. No. HNDG4MAG-36K)

Amyloid beta 1-40 Amyloid beta 1-42 GDNF	sRAGE S100B
--	----------------

Human Neurological Disorders Panel 3

(Cat. No. HND3MAG-39K)

Angiotensinogen (AGT) Contactin-1 Fetuin A ^o Kallikrein-6	Osteopontin (OPN) Soluble Superoxide Dismutase 1 (sSOD1) Soluble Superoxide Dismutase 2 (sSOD2)
--	---

Human Neuropeptide ■ ^

(Cat. No. HNPMMAG-35K)

α -MSH β -Endorphin Neurotensin	Oxytocin Substance P
--	-------------------------

Human Circadian Stress ■ ^

(Cat. No. HNCSMAG-35K)

Cortisol	Melatonin
----------	-----------

Toxicity**Human Kidney Injury Panel 1 (Urine samples)**

(Cat. No. HKI1MAG-99K)

Calbindin Collagen IV FABP1 GST α IP-10/CXCL10	KIM-1 Osteoactivin Renin TFF-3 TIMP-1
---	---

Human Kidney Injury Panel 2 (Urine samples)

(Cat. No. HKI2MAG-99K)

α -1-Microglobulin Albumin Clusterin Cystatin C	EGF NGAL/Lipocalin-2 Osteopontin (OPN)
---	--

Human Kidney Injury Panel 3 (Urine samples)

(Cat. No. HKI3MAG-99K)

β -2-Microglobulin RBP4	Uromodulin
----------------------------------	------------

Human Kidney Injury Panel 4 (Serum/Plasma samples)

(Cat. No. HKI4MAG-99K)

EGF FABP1 IP-10/CXCL10 KIM-1	Osteopontin (OPN) PTH Renin
---------------------------------------	-----------------------------------

Human Kidney Injury Panel 5 (Serum/Plasma samples)

(Cat. No. HKI5MAG-99K)

α -1-Microglobulin Collagen IV NGAL/Lipocalin-2	Osteoactivin TIMP-1 Uromodulin
--	--------------------------------------

Human Kidney Injury Panel 6 (Serum/Plasma samples)

(Cat. No. HKI6MAG-99K)

β -2-Microglobulin Clusterin	Cystatin C RBP4
---------------------------------------	--------------------

Human Liver Injury

(Cat. No. HLINJMAG-75K)

5'NT/CD73 ARG1 GST α	MDH1 SDH
-----------------------------------	-------------

PRIMATE

Immunology

Non-Human Primate Cytokine/Chemokine Panel 1

- (Cat. No. PRCYTOMAG-40K)
 23 (Cat. No. PCYTMG-40K-PX23)
 25 (Bulk Cat. No. PRCYMG40PMX23BK)

sCD40L	IL-12/23 (p40)
G-CSF	IL-13
GM-CSF	IL-15
IFN γ	IL-17A/CTLA8
IL-1 β	IL-18
IL-1Ra	MCP-1/CCL2
IL-2	MIP-1 α /CCL3
IL-4	MIP-1 β /CCL4
IL-5	TGF α
IL-6	TNF α
IL-8/CXCL8	VEGF-A
IL-10	

Non-Human Primate Cytokine/Chemokine Panel 2

- (Cat. No. PRCYT2MAG40K)
 24 (Cat. No. PRCYT2MAG40K-PX24)
 25 (Bulk Cat. No. PRCYT2MAG40PMX24BK)
 25 (Cat. No. PRCYT2MAG40K-PX25)
 25 (Bulk Cat. No. PRCYT2MAG40PMX25BK)

sCD137/4-1BB/ TNFRSF9	IL-17E/IL-25
Eotaxin/CCL11	IL-21
sFasL	IL-22
FGF-2/FGF-basic	IL-28A/IFN λ 2
Fractalkine/CX3CL1	IL-31
Granzyme A	IL-33/NF-HEV (mature)
Granzyme B	
IL-1 α	IP-10/CXCL10
IL-2	MIP-3 α /CCL20
IL-4	Perforin
IL-6	RANTES/CCL5 ▲
IL-16	TNF β /Lymphotoxin- α (LTA)
IL-17A/CTLA8	

Multi-Species TGF β – Singleplex

(Cat. No. TGFBMAG-64K-01)
(Bulk Cat. No. TGFBMAG-64K-01BK)

TGF β 1

Multi-Species TGF β – 3 Plex ▼

(Cat. No. TGFBMAG-64K-03)

NON-CONFIGURABLE KIT

TGF β 1	TGF β 3
TGF β 2	

Metabolism/
Endocrinology

Non-Human Primate Metabolic Hormone

(Cat. No. NHPMHMAG-45K)

Amylin (active)▶	Insulin
C-Peptide	Leptin
Ghrelin (active)▶	MCP-1/CCL2
GIP (total)	Pancreatic Polypeptide (PP)
GLP-1 (active)▶	PYY (total)
Glucagon▶	
IL-6	

Non-Human Primate Pituitary Panel 1

(Cat. No. NHPPT1MG-46K)

ACTH	FSH
Agouti-Related Protein (AgRP)	GH
CNTF	LH
	TSH

Multi-Species Hormone ■ ▲

(Cat. No. MSHMAG-21K)

Cortisol	Testosterone
Estradiol	T3
Progesterone	T4

MOUSE

Immunology

Mouse Cytokine/Chemokine Panel 1

- (Cat. No. MCYTOMAG-70K)
 25 (Cat. No. MCYTOMAG-70K-PMX)◆
 25 (Bulk Cat. No. MCYTOMAG70PMX25BK)◆
 32 (Cat. No. MCYTOMAG-70K-PX32)
 32 (Bulk Cat. No. MCYTOMAG70PMX32BK)

Eotaxin/CCL11	IL-13◆
G-CSF◆	IL-15◆
GM-CSF◆	IL-17A/CTLA8◆
IFN γ ◆	IP-10/CXCL10◆
IL-1 α ◆	KC/GRO α /CXCL1◆
IL-1 β ◆	LIF
IL-2◆	LIX
IL-3	MCP-1/CCL2◆
IL-4◆	M-CSF
IL-5◆	MIG/CXCL9
IL-6◆	MIP-1 α /CCL3◆
IL-7◆	MIP-1 β /CCL4◆
IL-9◆	MIP-2/CXCL2◆
IL-10◆	RANTES/CCL5◆
IL-12 (p40)◆	TNF α ◆
IL-12 (p70)◆	VEGF-A

Mouse Cytokine/
Chemokine Panel 2

- (Cat. No. MECY2MAG-73K)
 15 (Cat. No. MECY2MAG-73KPX)
 15 (Bulk Cat. No. MECY2MAG73KPBK)

Erythropoietin (EPO)	IL-17A/F
Exodus-2/ CCL21/6CKine	IL-20
Fractalkine/CX3CL1	MDC/CCL22
IFN β 1	MCP-5/CCL12
IFN γ	MIP-3 α /CCL20
IL-11	MIP-3 β /CCL19
IL-16	TARC/CCL17
	TIMP-1

Mouse High Sensitivity T Cell

(Cat. No. MHSTCMAG-70K)

- 18 (Cat. No. MHSTCMAG-70KPMX)
 18 (Bulk Cat. No. MHSTCMAG-70KPBK)

GM-CSF	IL-10
IFN γ	IL-12 (p70)
IL-1 α	IL-13
IL-1 β	IL17A/CTLA8
IL-2	KC/GRO α /CXCL1
IL-4	LIX
IL-5	MCP-1/CCL2
IL-6	MIP-2/CXCL2
IL-7	TNF α

Mouse Th17

- (Cat. No. MTH17MAG-47K)
 25 (Cat. No. MT17MAG47K-PX25)
 25 (Bulk Cat. No. MT17MAG47PMX25BK)

sCD40L	IL-17E/IL-25
GM-CSF	IL-17F
IFN γ	IL-21
IL-1 β	IL-22
IL-2	IL-23
IL-4	IL-27
IL-5	IL-28B/IFN λ 3
IL-6	IL-31
IL-10	IL-33/NF-HEV (mature)
IL-12 (p70)	MIP-3 α /CCL20
IL-13	TNF α
IL-15	TNF β /Lymphotoxin- α (LTA)
IL-17A/CTLA8	

Mouse CD8+ T Cell

- (Cat. No. MCD8MAG-48K)
 15 (Cat. No. MCD8MAG48K-PX15)
 15 (Bulk Cat. No. MCD8MAG48KPX15BK)

sCD137/4-1BB/ TNFRSF9	IL-4
sFas/TNFRSF6	IL-5
sFasL	IL-6
GM-CSF	IL-10
Granzyme B	IL-13
IFN γ	MIP-1 β /CCL4
IL-2	RANTES/CCL5
	TNF α

Legend key for MILLIPLEX® MAP kits

- † Analytes which cannot be plexed together:
 - Active and total
 - Free and total
- ◆ Available in Cat. No. listed
- ▼ Premix panel only
- Bulk indicates Space Saver Packaging

- ▲ These analytes cannot be plexed with other analytes in this panel in serum/plasma
- ▶ Requires a protease inhibitor during sample collection
- Requires sample extraction
- ** No standard/QC; autoantibody levels are reported as MFIs

- Serum/Plasma only
- ★ Tissue Culture samples only
- ^ Competitive assay format
- ◉ Available for custom premix
- ◊ Analyte requires a different sample dilution from others in panel

Mouse Soluble Cytokine Receptor

(Cat. No. MSCRMAG-42K)

sCD30	sRAGE
sGP130	sTNF RI
sIL-1RI	sTNF RII
sIL-1RII	sVEGFR1/sFlt-1
sIL-2R α	sVEGFR2/sKDR/sFlk-1
sIL-4R	sVEGFR3/sFlt-4
sIL-6R	

Mouse MMP Panel 1 (Serum/Plasma samples)

(Cat. No. MMMP1MAG-79K)

MMP-2	MMP-8
MMP-3	

Mouse MMP Panel 2 (Serum/Plasma samples)

(Cat. No. MMMP2MAG-79K)

proMMP-9	MMP-12
----------	--------

Mouse MMP Panel 3 (Cell culture samples)

(Cat. No. MMMP3MAG-79K)

MMP-2	proMMP-9
MMP-3	MMP-12
MMP-8	

Multi-Species TGF β – Singleplex(Cat. No. TGFBMAG-64K-01)
(Bulk Cat. No. TGFBMAG-64K-01BK)

TGF β 1

Multi-Species TGF β – 3 Plex ▼

(Cat. No. TGFBMAG-64K-03)

NON-CONFIGURABLE KIT

TGF β 1	TGF β 3
TGF β 2	

Immune Response**Mouse Immunoglobulin Isotyping**

(Cat. No. MGAMMAG-300K)

IgA	IgG2b
IgG1	IgG3
IgG2a	IgM

Mouse IgE – Singleplex

(Cat. No. MGAMMAG-300E)

IgE

Metabolism/Endocrinology**Mouse Adipokine (Serum/Plasma samples)**

(Cat. No. MADKMAG-71K)

IL-6	PAI-1 (total)
Insulin	Resistin
Leptin	TNF α
MCP-1/CCL2	

Mouse Adipocyte (Cell culture samples)

(Cat. No. MADCYMAG-72K)

Adiponectin	PAI-1 (total)
IL-6	Resistin
Leptin	TNF α
MCP-1/CCL2	

Mouse Adiponectin – Singleplex (Serum/Plasma samples)

(Cat. No. MADPNMAG-70K-01)

Adiponectin

Mouse Metabolic Hormone

(Cat. No. MMHMAG-44K)

Amylin (active)▶	Leptin
C-Peptide 2	MCP-1/CCL2
Ghrelin (active)▶	Pancreatic Polypeptide (PP)
GIP (total)	PYY (total)
GLP-1 (active)▶	Resistin
Glucagon▶	TNF α
IL-6	
Insulin	

Mouse Myokine

(Cat. No. MMYOMAG-74K)

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

Mouse Pituitary

(Cat. No. MPTMAG-49K)

ACTH	LH
BDNF	Prolactin
FSH	TSH
GH	

Multi-Species Hormone ■ ^

(Cat. No. MSHMAG-21K)

Cortisol	Testosterone
Estradiol	T3
Progesterone	T4

Cardiovascular**Mouse CVD Panel 1**

(Cat. No. MCVD1MAG-77K)

sCD31/sPECAM-1	PAI-1 (total)
sE-Selectin	sP-Selectin
sICAM-1	Thrombomodulin
ProMMP-9	

Mouse CVD Panel 2

(Cat. No. MCVD2MAG-77K)

sCD40L	Oncostatin M (OSM)
CXCL16	PLGF-2
Endocan-1 (ESM-1)	Troponin I (TnI)
Follistatin (FST)	Troponin T (TnT)
LIGHT	

Mouse Acute Phase Panel 2

(Cat. No. MAP2MAG-76K)

Adipsin/Factor D	CRP
α -1-Acid Glycoprotein (AGP)	Haptoglobin
α -2-Macroglobulin	Serum Amyloid P (SAP)

Bone**Mouse Bone**

(Cat. No. MBNMAG-41K)

ACTH	Leptin
DKK1	Osteoprotegerin (OPG)
FGF-23	Sclerostin (SOST)
IL-6	TNF α
Insulin	

Cancer**Mouse Angiogenesis / Growth Factor Panel 1**

(Cat. No. MAGPMAG-24K)

sALK-1	IL-6
Amphiregulin	IL-17A/CTLA8
Angiopoietin-2 ▲	KC/CXCL1
Betacellulin ▲	Leptin
sCD31/sPECAM-1 ▲	MCP-1/CCL2
EGF	MIP-1 α /CCL3
Endoglin	Placental Growth Factor (PLGF-2)
Endothelin-1	Prolactin
sFasL	SDF-1/CXCL12
FGF-2/FGF-basic	TNF α
Follistatin (FST)	VEGF-A
G-CSF	VEGF-C
HGF	VEGF-D
IL-1 β	

Neuroscience

Mouse Amyloid Beta

(Cat. No. MABMAG-83K)

Amyloid beta 1-40	Amyloid beta 1-42
-------------------	-------------------

Mouse Neuropeptide ■ ^

(Cat. No. RMNPMAG-83K)

α-MSH	Oxytocin
β-Endorphin	Substance P
Neurotensin	

Toxicity

Mouse Kidney Injury Panel 1

(Cat. No. MKI1MAG-94K)

β-2-Microglobulin	Renin
IP-10/CXCL10	TIMP-1
KIM-1	VEGF-A

Mouse Kidney Injury Panel 2

(Cat. No. MKI2MAG-94K)

Clusterin	NGAL/Lipocalin-2
Cystatin C	Osteopontin (OPN)
EGF	

RAT

Immunology

Rat Cytokine/Chemokine

☉ (Cat. No. RECYTMAG-65K)

27 (Cat. No. RECYMAG65K27PMX)

27 (Bulk Cat. No. RECYMAG65PMX27BK)

EGF	IL-10
Eotaxin/CCL11	IL-12 (p70)
Fractalkine/CX3CL1	IL-13
G-CSF	IL-17A/CTLA8
GM-CSF	IL-18
GROα/KC/CINC-1/CXCL1	IP-10/CXCL10
IFNγ	Leptin
IL-1α	LIX
IL-1β	MCP-1/CCL2
IL-2	MIP-1α/CCL3
IL-4	MIP-2/CXCL2
IL-5	RANTES/CCL5
IL-6	TNFA
	VEGF

Multi-Species TGFβ – Singleplex

(Cat. No. TGFBMAG-64K-01)
(Bulk Cat. No. TGFBMAG-64K-01BK)

TGFβ1

Multi-Species TGFβ – 3 Plex ▼

(Cat. No. TGFBMAG-64K-03)

NON-CONFIGURABLE KIT

TGFβ1	TGFβ3
TGFβ2	

Metabolism/Endocrinology

Rat Adipokine (Serum/Plasma samples)

(Cat. No. RADPKMAG-80K)

IL-1β	MCP-1/CCL2
IL-6	PAI-1 (total)
Insulin	TNFA
Leptin	

Rat Adipocyte (Cell culture samples)

(Cat. No. RADPCMAG-82K)

Adiponectin	MCP-1/CCL2
IL-1β	PAI-1 (total)
IL-6	TNFA
Leptin	

Rat Metabolic Hormone

(Cat. No. RMHMAG-84K)

Amylin (active) †	Insulin
C-Peptide 2	Leptin
Ghrelin (active) †	MCP-1/CCL2
GIP (total)	Pancreatic Polypeptide (PP)
GLP-1 (active) †	PYY (total)
Glucagon †	TNFA
IL-6	

Rat Myokine

(Cat. No. RMYOMAG-88K)

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

Rat Pituitary

(Cat. No. RPTMAG-86K)

ACTH	LH
BDNF	Prolactin
FSH	TSH
GH	

Rat Stress Hormone ■

(Cat. No. RSHMAG-69K)

ACTH	Melatonin ^
Corticosterone ^	

Multi-Species Hormone ■ ^

(Cat. No. MSHMAG-21K)

Cortisol	Testosterone
Estradiol	T3
Progesterone	T4

Rat Thyroid

(Cat. No. RTHYMAG-30K)

T3 ^	TSH
T4 ^	

Cardiovascular

Rat Cardiac Injury Panel 1

(Cat. No. RCI1MAG-87K)

Cardiac Troponin I (cTnI)	FABP3
Cardiac Troponin T (cTnT)	Follistatin-like Protein 1 (FSTL1)
Creatine Kinase Muscle (CKM)	Myosin Light Chain 3 (MYL3)
	TIMP-1

Rat Vascular Injury Panel 1 (Serum/Plasma samples)

(Cat. No. RV1MAG-26K)

Caveolin-1	IL-6
Connective Tissue Growth Factor (CTGF)	MCP-1/ CCL2
GROα/KC/CINC-1/CXCL1	PAI-1 (total)
	TIMP-1
	TNFA
	VEGF

Rat Vascular Injury Panel 2 (Serum/Plasma samples)

(Cat. No. RV2MAG-26K)

Adiponectin	sICAM-1
sE-Selectin	von Willebrand Factor (vWF)

Legend key for MILLIPLEX® MAP kits

- † Analytes which cannot be plexed together:
 - Active and total
 - Free and total
- ◆ Available in Cat. No. listed
- ▼ Premix panel only
- Bulk indicates Space Saver Packaging

- ▲ These analytes cannot be plexed with other analytes in this panel in serum/plasma
- ‡ Requires a protease inhibitor during sample collection
- Requires sample extraction
- ** No standard/QC; autoantibody levels are reported as MFIs

- Serum/Plasma only
- ★ Tissue Culture samples only
- ^ Competitive assay format
- ☉ Available for custom premix
- Analyte requires a different sample dilution from others in panel

Rat Vascular Injury Panel 3
(Serum/Plasma samples)

(Cat. No. RV3MAG-26K)

α-1-Acid Glycoprotein (AGP)	Fibrinogen▲
α-2-Macroglobulin (A2M)	Haptoglobin

Bone**Rat Bone Panel 1**
(Serum/Plasma samples)

(Cat. No. RBN1MAG-31K)

ACTH	Leptin
DKK1	Osteoprotegerin (OPG)
FGF-23	PTH
Insulin	Sclerostin (SOST)

Neuroscience**Rat Neuropeptide** ■ ^

(Cat. No. RMNPMAG-83K)

α-MSH	Oxytocin
β-Endorphin	Substance P
Neurotensin	

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

(Cat. No. RKT1MAG-37K)

Calbindin	KIM-1
Clusterin	Osteopontin (OPN)
GSTα^	TIMP-1
IP-10/CXCL10	VEGF-A

Rat Kidney Toxicity Panel 2
(Urine samples)

(Cat. No. RKT2MAG-37K)

α-1-Acid Glycoprotein (AGP)	Cystatin C
Albumin^	EGF
β-2-Microglobulin	NGAL/Lipocalin-2

Rat Liver Injury

(Cat. No. RLI1MAG-92K)

5'NT/CD73	GSTα
ARG1	SDH
GOT1	

OTHER SPECIES**Immunology****Canine Cytokine/Chemokine**

- ☐ (Cat. No. CCYTOMAG-90K)
- 15 (Cat. No. CCYTMG-90K-PX13)
- 15 (Bulk Cat. No. CCYTMG90KPX13BK)

GM-CSF	IL-15
IFNγ	IL-18
IL-2	IP-10/CXCL10
IL-6	KC-like
IL-7	MCP-1/CCL2
IL-8/CXCL8	TNFα
IL-10	

Equine Cytokine/Chemokine

- ☐ (Cat. No. EQCYTMAG-93K)
- 23 (Cat. No. EQCYTMG-93KPX23)
- 23 (Cat. No. EQCTMG93KPX23BK)

Eotaxin/CCL11	IL-6
FGF-2/FGF-basic	IL-8/CXCL8
Fractalkine/CX3CL1	IL-10
G-CSF	IL-12 (p70)
GM-CSF	IL-13
GRO	IL-17A/CTLA8
IFNγ	IL-18
IL-1α	IP-10/CXCL10
IL-1β	MCP-1/CCL2
IL-2	RANTES/CCL5
IL-4	TNFα
IL-5	

Feline Cytokine/Chemokine ▼

- 19 (Cat. No. FCYTMAG-20K-PMX)
- 19 (Bulk Cat. No. FCYTMAG20KPX19BK)
- NON-CONFIGURABLE KIT

sFAS/TNFRSF6	IL-13
Flt3 Ligand	IL-18
GM-CSF	KC/GRO
IFNγ	MCP-1/CCL2
IL-1β	PDGF-BB
IL-2	RANTES/CCL5
IL-4	SCF
IL-6	SDF-1/CXCL12
IL-8/CXCL8	TNFα
IL-12 (p40)	

Porcine Cytokine/Chemokine

- ☐ (Cat. No. PCYTMAG-23K)
- 15 (Cat. No. PCYTMG-23K-13PX)
- 15 (Bulk Cat. No. PCYTMAG23PMX13BK)

GM-CSF	IL-6
IFNγ	IL-8/CXCL8
IL-1α	IL-10
IL-1β	IL-12
IL-1Ra	IL-18
IL-2	TNFα
IL-4	

Multi-Species TGFβ – Singleplex(Cat. No. TGFBMAG-64K-01)
(Bulk Cat. No. TGFBMAG-64K-01BK)

TGFβ1

Multi-Species TGFβ – 3 Plex ▼

(Cat. No. TGFBMAG-64K-03)

NON-CONFIGURABLE KIT

TGFβ1	TGFβ3
TGFβ2	

Metabolism/Endocrinology**Canine Gut Hormone**

(Cat. No. CGTMAG-98K)

Amylin (total)▶	Insulin
Ghrelin (active)▶	Leptin
GIP (total)	Pancreatic
GLP-1 (active)▶	Polypeptide (PP)
Glucagon	PYY (total)

Canine Pituitary

(Cat. No. CPTMAG-96K)

ACTH	GH
BDNF	TSH
FSH	

Feline Metabolic Hormone

(Cat. No. FMHMAG-29K)

Amylin (active)▶	Insulin
Ghrelin (active)▶	Leptin
GIP (total)	Pancreatic
GLP-1 (active)▶	Polypeptide (PP)
Glucagon▶	PYY (total)

Multi-Species Hormone ■ ^

(Cat. No. MSHMAG-21K)

Cortisol	Testosterone
Estradiol	T3
Progesterone	T4

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

(Cat. No. CKT1MAG-97K)

Clusterin	MCP-1/CCL2
Cystatin C	NGAL/Lipocalin-2
IL-8/CXCL8	Osteopontin (OPN)
KIM-1	

Canine Kidney Toxicity Panel 2

(Urine samples)

(Cat. No. CKT2MAG-97K)

Albumin	RBP4
β-2-Microglobulin	TFF-3