

Research Area	Panels	Analytes	Company	Species	Samples	Sample Volume
Aging	Aging	CTACK/CCL27, FGF-21, GnRH, IL-6, Jag1, Leptin, Notch1, TNF α	Merck	Mouse	Serum/Plasma; Supernatant	25 μ L
Cardiovascular	Acute Phase Proteins	Adipsin, Alpha-1 Acid Glycoprotein (AGP), Alpha-2 Macroglobulin (A2M), C-Reactive Protein, Haptoglobin, SAP	Merck	Mouse	Serum/Plasma; Supernatant	25 μ L
	Cardiovascular Disease (CVD)	sE-Selectin, sICAM-1, Pecan-1, sP-Selectin, PAI-1 (total), proMMP-9, Thrombomodulin, CXCL16, Endocan-1 (ESM-1), LIGHT, Follistatin, Oncostatin M (OSM), sCD40L, PIGF-2, Troponin I (Tni), Troponin T (TnT)	Merck	Mouse	Serum/Plasma; Supernatant	5 - 10 μ L
Cell Signaling	DNA Damage/Genotoxicity	ATR (Total), Chk1 (Ser345), Chk2 (Thr68), H2A.X (Ser139), MDM2 (total), p21 (Total), p53 (Ser15)	Merck	Mouse, Rat	Supernatant	25 μ L/well @ 40-1,000 μ g/mL
	Multi-Pathway	Erk/MAPK1/2 (Total), Akt (Total), STAT3 (Total), JNK (Total), p70 S6 Kinase (Total), NF κ B (Total), STAT5A/B (Total), CREB (Total), p38 (Total)	Merck	Mouse, Rat	Supernatant	25 μ L/well @ 40-1,000 μ g/mL
	NF- κ B Signaling	c-Myc, FADD (Ser194), I κ B α (Ser32), IKK α / β (Ser177/Ser181), NF κ B (Ser536), TNFR1	Merck	Mouse, Rat	Supernatant	25 μ L/well @ 40-1,000 μ g/mL
	Phospho/Total Proteins	JNK (Total), JNK (Thr183 / Tyr185), Akt1 (total), Akt1 (Ser473), Akt3 (total), Akt3 (Ser472), Erk (Total), Erk (Thr185 / Tyr187), IRS1 (Total), IRS1 (Ser636), mTOR (Total), mTOR (Ser2448), p38 (Total), p38 (Thr180/Tyr182), STAT3 (Total), STAT3 (Tyr705)	Merck	Mouse, Rat	Supernatant	25 μ L/well @ 40-1,000 μ g/mL
	RTK Phosphoprotein	c-Kit (pan Tyr), c-Met/HGFR (pan Tyr), EGFR (pan Tyr), ErbB3/HER3 (pan Tyr), ErbB4/HER4 (pan Tyr), FGFR1 (pan Tyr), FLT3 (pan Tyr), HER2 (pan Tyr), IGF-1R (pan Tyr), IR (pan Tyr), MSCFR (pan Tyr), PDGFR α (pan Tyr), PDGFR β (pan Tyr), TIE-1 (pan Tyr), Tie2 (pan Tyr), VEGFR1/Flt-1 (pan Tyr), VEGFR2/KDR/Flk-1 (pan Tyr), VEGFR3/Flt-4 (pan Tyr)	Merck	Mouse, Rat	Supernatant	25 μ L/well @ 40-1,000 μ g/mL
Endocrinology	Pituitary	ACTH, BDNF, FSH, GH, LH, Prolactin, TSH	Merck	Mouse, Rat	Serum/Plasma; Supernatant	25 μ L
	Stress Hormone	ACTH, Corticosterone, Melatonin	Merck	Rat	Serum/Plasma; Supernatant	15 μ L
	Hormone	Cortisol, Estradiol, Testosterone, Progesterone, T3 and T4	Merck	Mouse, Rat	Serum/Plasma	25 μ L
Epigenetics	Histone PTM Multiplex	H3K56ac, H3 pan-ac, H3K4me3, H3S10ph, H3K9ac, H3T11ph, H3K9me1, H3K27ac, H3K9me2, H3K27me2, H3K9me3, H3K27me3, H3K36me3	Active Motif	Mouse	Supernatant	~
Immunology	Antibody Isotyping	IgA, IgG1, IgG2b, IgG3, IgM, IgE, IgG2a, IgG2c	ThermoFisher Scientific, Merck	Mouse, Rat	Serum/Plasma; Supernatant	25 - 50 μ L
	Cytokine & Chemokine	BAFF, BTC, ENA-78, Eotaxin (CCL11), FGF Basic, G-CSF, GM-CSF, GRO alpha (CXCL1), IFN alpha, IFN gamma, IL-10, IL-12p70, IL-13, IL-15, IL-17A, IL-18, IL-19, IL-1 alpha, IL-1 beta, IL-2, IL-22, IL-23, IL-25 (IL-17E), IL-27, IL-28, IL-2Ra, IL-3, IL-31, IL-33, IL-33R, IL-4, IL-5, IL-6, IL-7, IL-7Ra, IL-9, IP-10 (CXCL10), Leptin, LIF, LIX, MCP-1 (CCL2), MCP-3 (CCL7), M-CSF, MIG, MIP-1 alpha (CCL3), MIP-1 beta (CCL4), MIP-2 alpha (CXCL2), PDGF-BB, RANKL, RANTES, TNF alpha, VEGF-A	ThermoFisher Scientific, Merck, Bio-Rad	Mouse, Rat	Serum/Plasma; Urine; Milk; Lysates	25 - 50 μ L
	Cytokine & Chemokine CD8+	sCD137, sFas, sFas ligand, GM-CSF, Granzyme B, IFN γ , IL-2, IL-4, IL-5, IL-6, IL-10, IL-13, MIP-1 β , RANTES, TNF- α	Merck	Mouse	Serum/Plasma; Supernatant	25 μ L
	Cytokine & Chemokine Non-Human Primate	BDNF, IFN-beta, IL-7, BLC/BCA/CXCL13, IFN-gamma, IL-21, CD40 Ligand, IL-10, CXCL8/IL-8, CCL11/Eotaxin, IL-12 p70, CXCL10/IP-10, FGF-basic, IL-13, CCL2/IE/MCP-1CCL20/MIP-3 alpha, G-CSF, IL-15, PDGF-AA, GM-CSF, IL-17A, PDGF-BB, CXCL2/GRO beta, IL-1 beta, PD-L1, Granzyme B, IL-2, RANTES, CXCL11/I-TAC, IL-4, TGF-alpha, IFN-alpha, IL-5, TNF-alpha, IL-6, VEGF	R&D Systems	Non-human primate	Serum/Plasma; Lysates	50 μ L
	Cytokine and Chemokine Porcine	GM-CSF, IFN γ , IL-1 α , IL-1 β , IL-1ra, IL-2, IL-4, IL-6, IL-8, IL-10, IL-12, IL-18, TNF- α	Merck	Pig	Serum/Plasma; Supernatant	25 μ L
	Cytokine Th1/Th2	G-CSF, GM-CS, IFN gamma, IL-1 alpha, IL-1 beta, IL-2, IL-4, IL-5, IL-6, IL-10, IL-12p70, IL-13, IL-17A, GRO alpha, MCP-1, MIP-1 alpha, MIP-1 beta, MIP-2, TNF alpha	ThermoFisher Scientific, Bio-Rad	Mouse, Rat	Serum/Plasma; Supernatant	25 - 50 μ L
	Cytokine Th9/Th17/Th22/Treg	CD40L, IL-10, IL-17, IL-22, IL-23, IL-27, IL-9, IL-21, IL-22, IL-31, IL-33, Eotaxin, GRO alpha, IP-10, MCP-1, MCP-3, MIP-1 alpha, MIP-1 beta, MIP-2, RANTES	ThermoFisher Scientific, Bio-Rad	Mouse, Rat	Serum/Plasma; Supernatant	25 - 50 μ L
	IFN-alpha/IFN-beta	IFN alpha, IFN beta	ThermoFisher Scientific	Mouse	Serum/Plasma; Supernatant	25 - 50 μ L
	Immune Monitoring	BAFF, G-CSF (CSF-3), GM-CSF, IFN alpha, IFN gamma, IL-1 alpha, IL-1 beta, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-9, IL-10, IL-12p70, IL-13, IL-15/IL-15R, IL-17A (CTLA-8), IL-18, IL-19, IL-22, IL-23, IL-25 (IL-17E), IL-27, IL-28, IL-31, IL-33, LIF, M-CSF, RANKL, TNF alpha, ENA-78 (CXCL5), Eotaxin (CCL11), GRO alpha (CXCL1), IP-10 (CXCL10), MCP-1 (CCL2), MCP-3 (CCL7), MIP-1 alpha (CCL3), MIP-1 beta (CCL4), MIP-2, RANTES (CCL5), Betacellulin (BTC), Leptin, VEGF-A, IL-2R, IL-7R alpha, IL-33R (ST2)	ThermoFisher Scientific	Mouse	Serum/Plasma; Supernatant	25 - 50 μ L
	Soluble Cytokine Receptor	sCD30 (sTNFRSF8), sgp130 sIL-1RI (sCD121a), sIL-1RII (sCD121b), sIL-2R α (sCD25), sIL-4R (sCD124), sIL-6R (sCD126), sRAGE, sTNFR1 (sTNFRSF1A), sTNFR2 (sTNFRSF1B), sVEGFR1 (sFlt-1), sVEGFR2 (sFlk-1), sVEGFR3 (sFlt-4)	Merck	Mouse	Serum/Plasma; Supernatant	25 μ L
TGF- β 3-plex	TGF- β 1, TGF- β 2, TGF- β 3	Bio-Rad	Mouse, Rat	Serum/Plasma; Urine; Milk; Lysates	50 μ L	
Metabolism	Diabetes	Ghrelin, GIP, GLP-1, Glucagon, Insulin, Leptin, PAI-1, Resistin	Bio-Rad	Mouse, Rat	Serum/Plasma	25 - 50 μ L
	Metabolic Hormone	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- α	Merck	Mouse, Rat	Serum/Plasma; Supernatant	10 - 25 μ L
	Adipokine	IL-1 β , IL-6, Insulin, Leptin, MCP-1, PAI-1, Resistin, TNF- α	Merck	Mouse, Rat	Serum/Plasma; Supernatant	10 - 25 μ L
	Myokine	IL-6, IL-10, IL-15/IL-15R, LIF, TNF alpha, BDNF, Erythropoietin (EPO), FGF-21, Follistatin-like Protein 1 (FSTL1), Irisin, Myostatin/GDF8, Oncostatin M (OSM), Osteocrin/Musclin, Osteonectin (SPARC)	ThermoFisher Scientific, Merck	Mouse	Serum/Plasma; Supernatant	25 - 50 μ L
Neuroscience	Neuropeptide	α -MSH, β -Endorphin, Neurotensin, Oxytocin, Substance P	Merck	Mouse, Rat	Serum/Plasma; Supernatant; CSF	50 μ L
	Amyloid Beta	Amyloid β 40, Amyloid β 42	Merck	Mouse	Serum/Plasma; Supernatant; CSF	25 μ L
Oncology	Angiogenesis/Growth Factor	Angiopoietin-2, G-CSF, sFasL, sAlk-1, Amphiregulin, Leptin, IL-1b, Betacellulin, EGF, IL-6, Endoglin, Endothelin-1, FGF-2, Follistatin, HGF, PECAM-1, IL-17, PLGF-2, KC, MCP-1, Prolactin, MIP-1a, SDF-1, VEGF-C, VEGF-D, VEGF-A, TNF α	Merck	Mouse	Serum/Plasma; Supernatant	25 μ L
	Immuno-Oncology Checkpoints	CD137L, CD152, CD276, CD80, PD-1, PD-L1, PD-L2, BTLA, CD27, LAG-3, TIM-3	ThermoFisher Scientific	Mouse	Serum/Plasma; Supernatant	25 - 50 μ L
Osteology	Bone Metabolism	ACTH, DKK-1, FGF-23, IL-6, Insulin, Leptin, Osteoprotegerin, SOST, TNF- α , PTH	Merck	Mouse, Rat	Serum/Plasma; Supernatant	25 μ L
Toxicology	Vascular Injury	Caveolin-1, CINC-1 / GRO / KC, CTGF (Connective Tissue Growth Factor), IL-6, MCP-1, PAI-1 (total), TIMP-1, TNF α , VEGF	Merck	Rat	Serum/Plasma	25 μ L
	Kidney Toxicity	Albumin, AGP, Clusterin, IL-18, KIM-1, MCP-1, Osteopontin, B2M, Calbindin, Cystatin C, EGF, Lipocalin-2/NGAL, β -2-Microglobulin, IP-10, KIM-1, Renin, TIMP-1, TFF3, VEGF	ThermoFisher Scientific, Bio-Rad, Merck	Mouse, Rat	Urine	25 μ L
	Liver Injury	Liver-type arginase 1 (ARG1), aspartate transaminase 1 (GOT1), α -glutathione S-transferase (GST α), sorbitol dehydrogenase (SDH), and 5'-Nucleotidase (5'-NT/CD73)	Merck	Rat	Serum/Plasma	25 μ L

Note:

- Pre-mixed and customized panels of analytes above are available. Please contact us for more details.
- All analytes you need might not be available from one company. Please contact us to check for availability and compatibility of the analytes you are interested.
- The above analytes are available in magnetic beads formats which are compatible with our BioPlex 200