

Proseek® Multiplex CVD I^{96x96}

The dream of predicting cardiovascular risk just got a few steps closer

Towards better understanding of disease and personalized treatment

- ▶ Investigate protein profiles of known and unexpected biomarkers in various biological materials
- ▶ More information in a single run – 92 proteins in 96 samples (including 6 controls)
- ▶ Save precious sample – tiny volume required

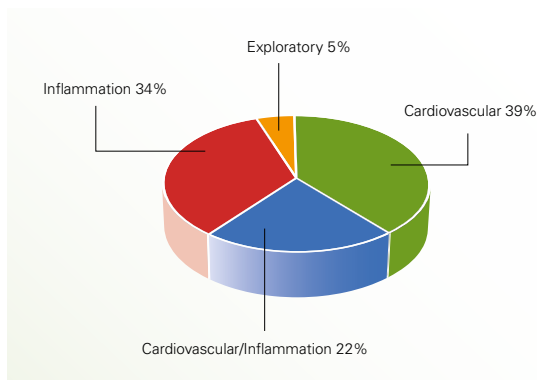


Figure 1. Proseek multiplex CVD I^{96x96} protein biomarker categories.

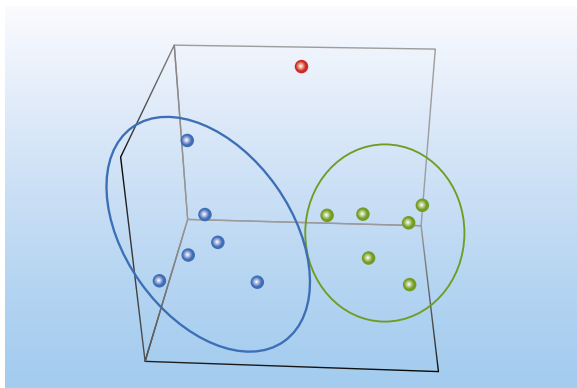


Figure 2. Clear clustering between healthy and disease samples visualized by Dynamic Principle Component Analysis.

Kit	Article
Proseek Multiplex CVD I ^{96x96}	94200

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Adrenomedullin (AM)	Hepatocyte growth factor (HGF)	Placenta growth factor (PIGF)
Agouti-related protein (AGRP)	Interleukin-1 receptor antagonist protein (IL-1ra)	Platelet endothelial cell adhesion molecule (PECAM-1)
Angiopoietin-1 receptor (TIE2)	Interleukin-4 (IL-4)	Detection Control (Det Ctrl)
Beta-nerve growth factor (Beta-NGF)	Interleukin-6 (IL-6)	Platelet-derived growth factor subunit B (PDGF subunit B)
Caspase-8 (CASP-8)	Interleukin-6 receptor subunit alpha (IL-6RA)	Incubation Control (Inc Ctrl 2)
Cathepsin D (CTSD)	Interleukin-8 (IL-8)	Prolactin (PRL)
Cathepsin L1 (CTSL1)	Incubation Control (Inc Ctrl 1)	Protein S100-A12 (EN-RAGE)
C-C motif chemokine 3 (CCL3)	Interleukin-16 (IL-16)	Proteinase-activated receptor 1 (PAR-1)
C-C motif chemokine 4 (CCL4)	Interleukin-18 (IL-18)	Proto-oncogene tyrosine-protein kinase Src (SRC)
C-C motif chemokine 20 (CCL20)	Interleukin-27 (IL-27)	P-selectin glycoprotein ligand 1 (PSGL-1)
CD40 ligand (CD40L)	Kallikrein-6 (KLK6)	Receptor for advanced glycosylation end products (RAGE)
Chitinase-3-like protein 1 (CHI3L1)	Kallikrein-11 (hk11)	Renin (REN)
C-X-C motif chemokine 1 (CXCL1)	Lectin-like oxidized LDL receptor 1 (LOX-1)	Resistin (RETN)
C-X-C motif chemokine 6 (CXCL6)	Leptin (LEP)	SIR2-like protein (SIRT2)
C-X-C motif chemokine 16 (CXCL16)	Macrophage colony-stimulating factor 1 (CSF-1)	Spondin-1 (SPON1)
Cystatin-B (CSTB)	Matrix metalloproteinase-1 (MMP-1)	ST2 protein (ST2)
Dickkopf-related protein 1 (Dkk-1)	Matrix metalloproteinase-3 (MMP-3)	Stem cell factor (SCF)
Endothelial cell-specific molecule 1 (ESM-1)	Matrix metalloproteinase-7 (MMP-7)	Thrombomodulin (TM)
Eosinophil cationic protein (ECP)	Matrix metalloproteinase-10 (MMP-10)	TIM-1 (TIM)
Epidermal growth factor (EGF)	Matrix metalloproteinase-12 (MMP-12)	Tissue factor (TF)
E-selectin (SELE)	Melusin (ITGB1BP2)	Tissue-type plasminogen activator (t-PA)
Fatty acid-binding protein, adipocyte (FABP4)	Membrane-bound aminopeptidase P (mAmP)	TNF-related activation-induced cytokine (TRANCE)
Fibroblast growth factor 23 (FGF-23)	Monocyte chemoattractant protein 1 (MCP)	TNF-related apoptosis-inducing ligand (TRAIL)
Follistatin (FS)	Myeloperoxidase (MPO)	Tumor necrosis factor ligand superfamily member 14 (TNFSF14)
Fractalkine (CX3CL1)	Myoglobin (MB)	Tumor necrosis factor receptor 1 (TNF-R1)
Galanin peptides (GAL)	Natriuretic peptides B (BNP)	Tumor necrosis factor receptor 2 (TNF-R2)
Galectin-3 (Gal-3)	NF-kappa-B essential modulator (NEMO)	TNF-related apoptosis-inducing ligand receptor 2 (TRAIL-R2)
Growth hormone (GH)	N-terminal pro-B-type natriuretic peptide (NT-pro-BNP)	Tumor necrosis factor receptor superfamily member 5 (CD40)
Growth/differentiation factor 15 (GDF-15)	Osteoprotegerin (OPG)	Tumor necrosis factor receptor superfamily member 6 (FAS)
Extension Control (Ext Ctrl)	Ovarian cancer-related tumor marker 125 (CA-125)	Urokinase plasminogen activator surface receptor (U-PAR)
Heat shock 27 kDa protein (HSP 27)	Pappalysin-1 (PAPPA)	Vascular endothelial growth factor A (VEGF-A)
Heparin-binding EGF-like growth factor (HB-EGF)	Pentraxin-related protein PTX3 (PTX3)	Vascular endothelial growth factor D (VEGF-D)

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