Załącznik do Opisu Przedmiotu Zamówienia

Odczynniki i materiały zużywalne do jednoczesnego wykonywania z jednej próbki surowicy lub osocza oznaczeń zestawów określonych białek metodą PEA, kompatybilne z urządzeniem Signature Q100

1. Zestaw do jednoczesnego oznaczania 92 białek, roboczo nazwanych jako „układ sercowo-naczyniowy”:

|  |  |  |
| --- | --- | --- |
| lp | Target | UniProt number |
| 1 | Aminopeptidase N (AP-N) | P15144 |
| 2 | Azurocidin (AZU1) | P20160 |
| 3 | Bleomycin hydrolase (BLM hydrolase) | Q13867 |
| 4 | Cadherin-5 (CDH5) | P33151 |
| 5 | Carboxypeptidase A1 (CPA1) | P15085 |
| 6 | Carboxypeptidase B (CPB1) | P15086 |
| 7 | Caspase-3 (CASP-3) | P42574 |
| 8 | Cathepsin D (CTSD) | P07339 |
| 9 | Cathepsin Z (CTSZ) | Q9UBR2 |
| 10 | C-C motif chemokine 15 (CCL15) | Q16663 |
| 11 | C-C motif chemokine 16 (CCL16) | O15467 |
| 12 | C-C motif chemokine 24 (CCL24) | O00175 |
| 13 | CD166 antigen (ALCAM) | Q13740 |
| 14 | Chitinase-3-like protein 1 (CHI3L1) | P36222 |
| 15 | Chitotriosidase-1 (CHIT1) | Q13231 |
| 16 | Collagen alpha-1(I) chain (COL1A1) | P02452 |
| 17 | Complement component C1q receptor (CD93) | Q9NPY3 |
| 18 | Contactin-1 (CNTN1) | Q12860 |
| 19 | C-X-C motif chemokine 16 (CXCL16) | Q9H2A7 |
| 20 | Cystatin-B (CSTB) | P04080 |
| 21 | Elafin (PI3) | P19957 |
| 22 | Ephrin type-B receptor 4 (EPHB4) | P54760 |
| 23 | Epidermal growth factor receptor (EGFR) | P00533 |
| 24 | Epithelial cell adhesion molecule (Ep-CAM) | P16422 |
| 25 | E-selectin (SELE) | P16581 |
| 26 | Fatty acid-binding protein, adipocyte (FABP4) | P15090 |
| 27 | Galectin-3 (Gal-3) | P17931 |
| 28 | Galectin-4 (Gal-4) | P56470 |
| 29 | Granulins (GRN) | P28799 |
| 30 | Growth/differentiation factor 15 (GDF-15) | Q99988 |
| 31 | Insulin-like growth factor-binding protein 1 (IGFBP-1) | P08833 |
| 32 | Insulin-like Growth Factor-Binding Protein 2 (IGFBP-2) | P18065 |
| 33 | Insulin-like growth factor-binding protein 7 (IGFBP-7) | Q16270 |
| 34 | Integrin beta-2 (ITGB2) | P05107 |
| 35 | Intercellular adhesion molecule 2 (ICAM-2) | P13598 |
| 36 | Interleukin-1 receptor type 1 (IL-1RT1) | P14778 |
| 37 | Interleukin-1 receptor type 2 (IL-1RT2) | P27930 |
| 38 | Interleukin-17 receptor A (IL-17RA) | Q96F46 |
| 39 | Interleukin-18-binding protein (IL-18BP) | O95998 |
| 40 | Interleukin-2 receptor subunit alpha (IL2-RA) | P01589 |
| 41 | Interleukin-6 receptor subunit alpha (IL-6RA) | P08887 |
| 42 | Junctional adhesion molecule A (JAM-A) | Q9Y624 |
| 43 | Kallikrein-6 (KLK6) | Q92876 |
| 44 | Low-density lipoprotein receptor (LDL receptor) | P01130 |
| 45 | Lymphotoxin-beta receptor (LTBR) | P36941 |
| 46 | Matrix extracellular phosphoglycoprotein (MEPE) | Q9NQ76 |
| 47 | Matrix metalloproteinase-2 (MMP-2) | P08253 |
| 48 | Matrix metalloproteinase-3 (MMP-3) | P08254 |
| 49 | Matrix metalloproteinase-9 (MMP-9) | P14780 |
| 50 | Metalloproteinase inhibitor 4 (TIMP4) | Q99727 |
| 51 | Monocyte chemotactic protein 1 (MCP-1) | P13500 |
| 52 | Myeloblastin (PRTN3) | P24158 |
| 53 | Myeloperoxidase (MPO) | P05164 |
| 54 | Myoglobin (MB) | P02144 |
| 55 | Neurogenic locus notch homolog protein 3 (Notch 3) | Q9UM47 |
| 56 | N-terminal prohormone brain natriuretic peptide (NT-proBNP) | NA |
| 57 | Osteopontin (OPN) | P10451 |
| 58 | Osteoprotegerin (OPG) | O00300 |
| 59 | Paraoxonase (PON 3) (PON3) | Q15166 |
| 60 | Peptidoglycan recognition protein 1 (PGLYRP1) | O75594 |
| 61 | Perlecan (PLC) | P98160 |
| 62 | Plasminogen activator inhibitor 1 (PAI) | P05121 |
| 63 | Platelet endothelial cell adhesion molecule (PECAM-1) | P16284 |
| 64 | Platelet glycoprotein VI (GP6) | Q9HCN6 |
| 65 | Platelet-derived growth factor subunit A (PDGF subunit A) | P04085 |
| 66 | Proprotein convertase subtilisin/kexin type 9 (PCSK9) | Q8NBP7 |
| 67 | Protein delta homolog 1 (DLK-1) | P80370 |
| 68 | P-selectin (SELP) | P16109 |
| 69 | Pulmonary surfactant-associated protein D (PSP-D) | P35247 |
| 70 | Resistin (RETN) | Q9HD89 |
| 71 | Retinoic acid receptor responder protein 2 (RARRES2) | Q99969 |
| 72 | Scavenger receptor cysteine-rich type 1 protein M130 (CD163) | Q86VB7 |
| 73 | Secretoglobin family 3A member 2 (SCGB3A2) | Q96PL1 |
| 74 | Spondin-1 (SPON1) | Q9HCB6 |
| 75 | ST2 protein (ST2) | Q01638 |
| 76 | Tartrate-resistant acid phosphatase type 5 (TR-AP) | P13686 |
| 77 | Tissue factor pathway inhibitor (TFPI) | P10646 |
| 78 | Tissue-type plasminogen activator (t-PA) | P00750 |
| 79 | Transferrin receptor protein 1 (TR) | P02786 |
| 80 | Trefoil factor 3 (TFF3) | Q07654 |
| 81 | Trem-like transcript 2 protein (TLT-2) | Q5T2D2 |
| 82 | Tumor necrosis factor ligand superfamily member 13B (TNFSF13B) | Q9Y275 |
| 83 | Tumor necrosis factor receptor 1 (TNF-R1) | P19438 |
| 84 | Tumor necrosis factor receptor 2 (TNF-R2) | P20333 |
| 85 | Tumor necrosis factor receptor superfamily member 10C (TNFRSF10C) | O14798 |
| 86 | Tumor necrosis factor receptor superfamily member 14 (TNFRSF14) | Q92956 |
| 87 | Tumor necrosis factor receptor superfamily member 6 (FAS) | P25445 |
| 88 | Tyrosine-protein kinase receptor UFO (AXL) | P30530 |
| 89 | Tyrosine-protein phosphatase non-receptor type substrate 1 (SHPS-1) | P78324 |
| 90 | Urokinase plasminogen activator Surface receptor (U-PAR) | Q03405 |
| 91 | Urokinase-type plasminogen activator (uPA) | P00749 |
| 92 | von Willebrand factor (vWF) | P04275 |

1. Zestaw do oznaczania 92 białek, roboczo nazwanych jako „odpowiedź immunologiczna”:

|  |  |  |
| --- | --- | --- |
| lp | Target | UniProt No |
| 1 | Allergin-1 (MILR1) | Q7Z6M3 |
| 2 | Amphiregulin (AREG) | P15514 |
| 3 | Aryl hydrocarbon receptor nuclear translocator (ARNT protein) (ARNT) | P27540 |
| 4 | Baculoviral IAP repeat-containing protein 2 (BIRC2) | Q13490 |
| 5 | Beta-galactosidase (GLB1) | P16278 |
| 6 | Butyrophilin subfamily 3 member A2 (BTN3A2) | P78410 |
| 7 | CD83 antigen (hCD83) (CD83) | Q01151 |
| 8 | Contactin-associated protein-like 2 (CNTNAP2) | Q9UHC6 |
| 9 | Corneodesmosin (CDSN) | Q15517 |
| 10 | Corticosteroid 11-beta-dehydrogenase isozyme 1 (HSD11B1) | P28845 |
| 11 | Coxsackievirus and adenovirus receptor (CAR) (CXADR) | P78310 |
| 12 | C-type lectin domain family 4 member A (CLEC4A) | Q9UMR7 |
| 13 | C-type lectin domain family 4 member C (CLEC4C) | Q8WTT0 |
| 14 | C-type lectin domain family 4 member D (CLEC4D) | Q8WXI8 |
| 15 | C-type lectin domain family 4 member G (CLEC4G) | Q6UXB4 |
| 16 | C-type lectin domain family 6 member A (CLEC6A) | Q6EIG7 |
| 17 | C-type lectin domain family 7 member A (CLEC7A) | Q9BXN2 |
| 18 | Cytoskeleton-associated protein 4 (CKAP4) | Q07065 |
| 19 | Diacylglycerol kinase zeta (DAG kinase zeta) (DGKZ) | Q13574 |
| 20 | Discoidin, CUB and LCCL domain-containing protein 2 (DCBLD2) | Q96PD2 |
| 21 | DNA fragmentation factor subunit alpha (DFFA) | O00273 |
| 22 | Dual adapter for phosphotyrosine and 3-phosphotyrosine and 3-phosphoinositide (hDAPP1) DAPP1) | Q9UN19 |
| 23 | Dynactin subunit 1 (DCTN1) | Q14203 |
| 24 | E3 ubiquitin-protein ligase TRIM21 (TRIM21) | P19474 |
| 25 | Egl nine homolog 1 (EGLN1) | Q9GZT9 |
| 26 | Eotaxin (CCL11) | P51671 |
| 27 | Eukaryotic translation initiation factor 4 gamma 1 (eIF-4-gamma 1) (EIF4G1) | Q04637 |
| 28 | Eukaryotic translation initiation factor 5A-1 (eIF-5A-1) (EIF5A) | P63241 |
| 29 | Fc receptor-like protein 3 (FcR-like protein 3) (FCRL3) | Q96P31 |
| 30 | Fc receptor-like protein 6 (FcR-like protein 6) (FCRL6) | Q6DN72 |
| 31 | Fibroblast growth factor 2 (FGF2) | P09038 |
| 32 | FXYD domain-containing ion transport regulator 5 (FXYD5) | Q96DB9 |
| 33 | Hematopoietic lineage cell-specific protein (HCLS1) | P14317 |
| 34 | Histamine N-methyltransferase (HNMT) | P50135 |
| 35 | Importin subunit alpha-5 (KPNA1) | P52294 |
| 36 | Inactive dipeptidyl peptidase 10 (DPP10) | Q8N608 |
| 37 | Integral membrane protein 2A (ITM2A) | O43736 |
| 38 | Integrin alpha-11 (ITGA11) | Q9UKX5 |
| 39 | Integrin alpha-6 (ITGA6) | P23229 |
| 40 | Integrin beta-6 (ITGB6) | P18564 |
| 41 | Interferon lambda receptor 1 (IFN-lambda receptor 1) (IFNLR1) | Q8IU57 |
| 42 | Interferon regulatory factor 9 (IRF9) | Q00978 |
| 43 | Interleukin-1 receptor-associated kinase 1 (IRAK1) | P51617 |
| 44 | Interleukin-1 receptor-associated kinase 4 (IRAK4) | Q9NWZ3 |
| 45 | Interleukin-10 (IL-10) | P22301 |
| 46 | Interleukin-12 receptor subunit beta-1 (IL-12 receptor subunit beta-1) (IL12RB1) | P42701 |
| 47 | Interleukin-5 (IL-5) | P05113 |
| 48 | Interleukin-6 (IL-6) | P05231 |
| 49 | Islet cell autoantigen 1 (ICA1) | Q05084 |
| 50 | Keratin, type I cytoskeletal 19 (KRT19) | P08727 |
| 51 | Leukocyte immunoglobulin-like receptor subfamily B member 4 (LILRB4) | Q8NHJ6 |
| 52 | Lymphocyte activation gene 3 protein (LAG3) | P18627 |
| 53 | Lymphocyte antigen 75 (LY75) | O60449 |
| 54 | Lysosome-associated membrane glycoprotein 3 (LAMP3) | Q9UQV4 |
| 55 | Mannan-binding lectin serine protease 1 (MASP1) | P48740 |
| 56 | Merlin (NF2) | P35240 |
| 57 | Methylated-DNA--protein-cysteine methyltransferase (MGMT) | P16455 |
| 58 | Natural cytotoxicity triggering receptor 1 (NCR1) | O76036 |
| 59 | Natural killer cells antigen CD94 (KLRD1) | Q13241 |
| 60 | Neurabin-2 (PPP1R9B) | Q96SB3 |
| 61 | Neurotrophin-4 (NT-4) (NTF4) | P34130 |
| 62 | Nuclear factor of activated T-cells, cytoplasmic 3 (NFATC3) | Q12968 |
| 63 | Parathyroid hormone/parathyroid hormone-related peptide receptor (PTH1R) | Q03431 |
| 64 | PC4 and SFRS1-interacting protein (PSIP1) | O75475 |
| 65 | Peroxiredoxin-1 (PRDX1) | Q06830 |
| 66 | Peroxiredoxin-5, mitochondrial (PRDX5) | P30044 |
| 67 | Phosphoinositide 3-kinase adapter protein 1 (PIK3AP1) | Q6ZUJ8 |
| 68 | Plexin-A4 (PLXNA4) | Q9HCM2 |
| 69 | Polypeptide N-acetylgalactosaminyltransferase 3 (GALNT3) | Q14435 |
| 70 | Probable ATP-dependent RNA helicase DDX58 (DDX58) | O95786 |
| 71 | Protein FAM3B (FAM3B) | P58499 |
| 72 | Protein HEXIM1 (HEXIM1) | O94992 |
| 73 | Protein kinase C theta type (PRKCQ) | Q04759 |
| 74 | Protein sprouty homolog 2 (SPRY2) | O43597 |
| 75 | Protein-arginine deiminase type-2 (PADI2) | Q9Y2J8 |
| 76 | SH2 domain-containing protein 1A (SH2D1A) | O60880 |
| 77 | SH2B adapter protein 3 (SH2B3) | Q9UQQ2 |
| 78 | Signaling threshold-regulating transmembrane adapter 1 (SIT1) | Q9Y3P8 |
| 79 | SRSF protein kinase 2 (SRPK2) | P78362 |
| 80 | Stanniocalcin-1 (STC1) | P52823 |
| 81 | Stromal cell-derived factor 1 (SDF-1) (CXCL12) | P48061 |
| 82 | T-cell-specific surface glycoprotein CD28 (CD28) | P10747 |
| 83 | Thioredoxin-dependent peroxide reductase, mitochondrial (PRDX3) | P30048 |
| 84 | TNF receptor-associated factor 2 (TRAF2) | Q12933 |
| 85 | TRAF family member-associated NF-kappa-B activator (TANK) | Q92844 |
| 86 | Transcription factor AP-1 (JUN) | P05412 |
| 87 | Transcription regulator protein BACH1 (BACH1) | O14867 |
| 88 | Triggering receptor expressed on myeloid cells 1 (TREM1) | Q9NP99 |
| 89 | Tripartite motif-containing protein 5 (TRIM5) | Q9C035 |
| 90 | Tryptase alpha/beta-1 (Tryptase-1) (TPSAB1) | Q15661 |
| 91 | Tumor necrosis factor receptor superfamily member EDAR (EDAR) | Q9UNE0 |
| 92 | Zinc finger and BTB domain-containing protein 16 (ZBTB16) | Q05516 |

1. Zestaw do oznaczania 92 białek, roboczo nazwanych jako „metabolizm”:

|  |  |  |
| --- | --- | --- |
| lp | Target | UniProt No |
| 1 | Adenosylhomocysteinase (AHCY) | P23526 |
| 2 | Adhesion G protein-coupled receptor E2 (ADGRE2) | Q9UHX3 |
| 3 | Adhesion G-protein coupled receptor G2 (ADGRG2) | Q8IZP9 |
| 4 | Amyloid-like protein 1 (APLP1) | P51693 |
| 5 | Angiopoietin-2 (ANGPT2) | O15123 |
| 6 | Angiopoietin-related protein 1 (ANGPTL1) | O95841 |
| 7 | Angiopoietin-related protein 7 (ANGPTL7) | O43827 |
| 8 | Annexin A11 (ANXA11) | P50995 |
| 9 | Annexin A4 (ANXA4) | P09525 |
| 10 | Appetite-regulating hormone (GHRL) | Q9UBU3 |
| 11 | Arginase-1 (ARG1) | P05089 |
| 12 | Aromatic-L-amino-acid decarboxylase (DDC) | P20711 |
| 13 | B-cell antigen receptor complex-associated protein beta chain (CD79B) | P40259 |
| 14 | Cadherin-2 (CDH2) | P19022 |
| 15 | Cadherin-related family member 5 (CDHR5) | Q9HBB8 |
| 16 | Calsyntenin-2 (CLSTN2) | Q9H4D0 |
| 17 | Carbonic anhydrase 13 (CA13) | Q8N1Q1 |
| 18 | Catechol O-methyltransferase (COMT) | P21964 |
| 19 | Cathepsin O (CTSO) | P43234 |
| 20 | CD2-associated protein (CD2AP) | Q9Y5K6 |
| 21 | Chordin-like protein 2 (CHRDL2) | Q6WN34 |
| 22 | Clusterin-like protein 1 (CLUL1) | Q15846 |
| 23 | Coiled-coil domain-containing protein 80 (CCDC80) | Q76M96 |
| 24 | Crk-like protein (CRKL) | P46109 |
| 25 | C-type lectin domain family 5 member A (CLEC5A) | Q9NY25 |
| 26 | CXADR-like membrane protein (CLMP) | Q9H6B4 |
| 27 | Diablo homolog, mitochondrial (DIABLO) | Q9NR28 |
| 28 | Dihydropteridine reductase (QDPR) | P09417 |
| 29 | Dipeptidyl peptidase 2 (DPP7) | Q9UHL4 |
| 30 | Disabled homolog 2 (DAB2) | P98082 |
| 31 | DNA-(apurinic or apyrimidinic site) lyase (APEX1) | P27695 |
| 32 | Ectonucleoside triphosphate diphosphohydrolase 5 (ENTPD5) | O75356 |
| 33 | Ectonucleotide pyrophosphatase/phosphodiesterase family member 7 (ENPP7) | Q6UWV6 |
| 34 | Eosinophil cationic protein (RNASE3) | P12724 |
| 35 | Fc receptor-like protein 1 (FCRL1) | Q96LA6 |
| 36 | Fructose-1,6-bisphosphatase 1 (FBP1) | P09467 |
| 37 | Galanin peptides (GAL) | P22466 |
| 38 | Gamma-enolase (ENO2) | P09104 |
| 39 | Glutaredoxin-1 (GLRX) | P35754 |
| 40 | GRB2-related adapter protein 2 (GRAP2) | O75791 |
| 41 | Hepatoma-derived growth factor (HDGF) | P51858 |
| 42 | Inactive tyrosine-protein kinase transmembrane receptor ROR1 (ROR1) | Q01973 |
| 43 | Insulin-like growth factor-binding protein-like 1 (IGFBPL1) | Q8WX77 |
| 44 | Integrin beta-7 (ITGB7) | P26010 |
| 45 | Kallikrein-10 (KLK10) | O43240 |
| 46 | Kynurenine--oxoglutarate transaminase 1 (KYAT1) | Q16773 |
| 47 | Large proline-rich protein BAG6 (BAG6) | P46379 |
| 48 | Leucine-rich repeats and immunoglobulin-like domains protein 1 (LRIG1) | Q96JA1 |
| 49 | Leukocyte immunoglobulin-like receptor subfamily A member 5 (LILRA5) | A6NI73 |
| 50 | Low-density lipoprotein receptor-related protein 11 (LRP11) | Q86VZ4 |
| 51 | Lysophosphatidic acid phosphatase type 6 (ACP6) | Q9NPH0 |
| 52 | Meprin A subunit beta (MEP1B) | Q16820 |
| 53 | Meteorin-like protein (METRNL) | Q641Q3 |
| 54 | Multiple coagulation factor deficiency protein 2 (MCFD2) | Q8NI22 |
| 55 | NAD kinase (NADK) | O95544 |
| 56 | Nectin-2 (NECTIN2) | Q92692 |
| 57 | Neural proliferation differentiation and control protein 1 (NPDC1) | Q9NQX5 |
| 58 | Neuronal pentraxin receptor (NPTXR) | O95502 |
| 59 | Nodal modulator 1 (NOMO1) | Q15155 |
| 60 | N-terminal prohormone of brain natriuretic peptide (NT-proBNP) | NA |
| 61 | Paired immunoglobulin-like type 2 receptor beta (PILRB) | Q9UKJ0 |
| 62 | Peptidyl-prolyl cis-trans isomerase FKBP4 (FKBP4) | Q02790 |
| 63 | Phosphoprotein associated with glycosphingolipid-enriched microdomains 1 (PAG1) | Q9NWQ8 |
| 64 | Pro-cathepsin H (CTSH) | P09668 |
| 65 | Protein FAM3C (FAM3C) | Q92520 |
| 66 | Protein phosphatase inhibitor 2 (PPP1R2) | P41236 |
| 67 | Protein S100-P (S100P) | P25815 |
| 68 | Regenerating islet-derived protein 4 (REG4) | Q9BYZ8 |
| 69 | Reticulon-4 receptor (RTN4R) | Q9BZR6 |
| 70 | Retinal dehydrogenase 1 (ALDH1A1) | P00352 |
| 71 | Ribosyldihydronicotinamide dehydrogenase [quinone] (NQO2) | P16083 |
| 72 | Scavenger receptor cysteine-rich domain-containing group B protein (SSC4D) | Q8WTU2 |
| 73 | Sclerostin (SOST) | Q9BQB4 |
| 74 | Semaphorin-3F (SEMA3F) | Q13275 |
| 75 | Serpin B6 (SERPINB6) | P35237 |
| 76 | Serpin B8 (SERPINB8) | P50452 |
| 77 | Sialic acid-binding Ig-like lectin 7 (SIGLEC7) | Q9Y286 |
| 78 | Sialomucin core protein 24 (CD164) | Q04900 |
| 79 | Soluble calcium-activated nucleotidase 1 (CANT1) | Q8WVQ1 |
| 80 | Sulfatase-modifying factor 2 (SUMF2) | Q8NBJ7 |
| 81 | Synaptosomal-associated protein 23 (SNAP23) | O00161 |
| 82 | Syndecan-4 (SDC4) | P31431 |
| 83 | T-cell surface glycoprotein CD1c (CD1C) | P29017 |
| 84 | Thimet oligopeptidase (THOP1) | P52888 |
| 85 | Thioredoxin domain-containing protein 5 (TXNDC5) | Q8NBS9 |
| 86 | Thymidine phosphorylase (TYMP) | P19971 |
| 87 | Thyrotropin subunit beta (TSHB) | P01222 |
| 88 | Trefoil factor 2 (TFF2) | Q03403 |
| 89 | Tubulointerstitial nephritis antigen-like (TINAGL1) | Q9GZM7 |
| 90 | Tyrosine-protein kinase receptor TYRO3 (TYRO3) | Q06418 |
| 91 | Ubiquitin carboxyl-terminal hydrolase 8 (USP8) | P40818 |
| 92 | Versican core protein (VCAN) | P13611 |

1. Zestaw do oznaczania 92 białek, roboczo nazwanych jako „stan zapalny”:

|  |  |  |
| --- | --- | --- |
| lp | Target | UniProt No |
| 1 | Adenosine Deaminase (ADA) | P00813 |
| 2 | Artemin (ARTN) | Q5T4W7 |
| 3 | Axin-1 (AXIN1) | O15169 |
| 4 | Beta-nerve growth factor (Beta-NGF) | P01138 |
| 5 | Caspase 8 (CASP-8 ) | Q14790 |
| 6 | C-C motif chemokine 4 (CCL4 ) | P13236 |
| 7 | C-C motif chemokine 19 (CCL19) | Q99731 |
| 8 | C-C motif chemokine 20 (CCL20) | P78556 |
| 9 | C-C motif chemokine 23 (CCL23) | P55773 |
| 10 | C-C motif chemokine 25 (CCL25) | O15444 |
| 11 | C-C motif chemokine 28 (CCL28) | Q9NRJ3 |
| 12 | CD40L receptor (CD40) | P25942 |
| 13 | CUB domain-containing protein 1 (CDCP1) | Q9H5V8 |
| 14 | C-X-C motif chemokine 1 (CXCL1) | P09341 |
| 15 | C-X-C motif chemokine 5 (CXCL5) | P42830 |
| 16 | C-X-C motif chemokine 6 (CXCL6) | P80162 |
| 17 | C-X-C motif chemokine 9 (CXCL9 ) | Q07325 |
| 18 | C-X-C motif chemokine 10 (CXCL10) | P02778 |
| 19 | C-X-C motif chemokine 11 (CXCL11) | O14625 |
| 20 | Cystatin D (CST5) | P28325 |
| 21 | Delta and Notch-like epidermal growth factor-related recep (DNER) | Q8NFT8 |
| 22 | Eotaxin-1 (CCL11) | P51671 |
| 23 | Eukaryotic translation initiation factor 4E-binding protein 1 (4E-BP1) | Q13541 |
| 24 | Fibroblast growth factor 5 (FGF-5) | P12034 |
| 25 | Fibroblast growth factor 19 (FGF-19) | O95750 |
| 26 | Fibroblast growth factor 21 (FGF-21) | Q9NSA1 |
| 27 | Fibroblast growth factor 23 (FGF-23) | Q9GZV9 |
| 28 | Fms-related tyrosine kinase 3 ligand (Flt3L) | P49771 |
| 29 | Fractalkine (CX3CL1 ) | P78423 |
| 30 | Glial cell line-derived neurotrophic factor (GDNF) | P39905 |
| 31 | Hepatocyte growth factor (HGF) | P14210 |
| 32 | Interferon gamma (IFN-gamma) | P01579 |
| 33 | Interleukin-1 alpha (IL-1 alpha) | P01583 |
| 34 | Interleukin-2 (IL-2) | P60568 |
| 35 | Interleukin-2 receptor subunit beta (IL-2RB) | P14784 |
| 36 | Interleukin-4 (IL-4) | P05112 |
| 37 | Interleukin-5 (IL-5) | P05113 |
| 38 | Interleukin-6 (IL-6) | P05231 |
| 39 | Interleukin-7 (IL-7) | P13232 |
| 40 | Interleukin-8 (IL-8) | P10145 |
| 41 | Interleukin-10 (IL-10) | P22301 |
| 42 | Interleukin-10 receptor subunit alpha (IL-10RA) | Q13651 |
| 43 | Interleukin-10 receptor subunit beta (IL-10RB) | Q08334 |
| 44 | Interleukin-12 subunit beta (IL-12B) | P29460 |
| 45 | Interleukin-13 (IL-13) | P35225 |
| 46 | Interleukin-15 receptor subunit alpha (IL-15RA) | Q13261 |
| 47 | Interleukin-17A (IL-17A) | Q16552 |
| 48 | Interleukin-17C (IL-17C) | Q9P0M4 |
| 49 | Interleukin-18 (IL-18) | Q14116 |
| 50 | Interleukin-18 receptor 1 (IL-18R1) | Q13478 |
| 51 | Interleukin-20 (IL-20) | Q9NYY1 |
| 52 | Interleukin-20 receptor subunit alpha (IL-20RA) | Q9UHF4 |
| 53 | Interleukin-22 receptor subunit alpha-1 (IL-22 RA1) | Q8N6P7 |
| 54 | Interleukin-24 (IL-24) | Q13007 |
| 55 | Interleukin-33 (IL-33) | O95760 |
| 56 | Latency-associated peptide transforming growth factor beta 1 (LAP TGF-beta-1) | P01137 |
| 57 | Leukemia inhibitory factor (LIF) | P15018 |
| 58 | Leukemia inhibitory factor receptor (LIF-R) | P42702 |
| 59 | Macrophage colony-stimulating factor 1 (CSF-1) | P09603 |
| 60 | Macrophage inflammatory protein 1-alpha (CCL3) | P10147 |
| 61 | Matrix metalloproteinase-1 (MMP-1) | P03956 |
| 62 | Matrix metalloproteinase-10 (MMP-10) | P09238 |
| 63 | Monocyte chemotactic protein 1 (MCP-1) | P13500 |
| 64 | Monocyte chemotactic protein 2 (MCP-2) | P80075 |
| 65 | Monocyte chemotactic protein 3 (MCP-3) | P80098 |
| 66 | Monocyte chemotactic protein 4 (MCP-4) | Q99616 |
| 67 | Natural killer cell receptor 2B4 (CD244) | Q9BZW8 |
| 68 | Neurotrophin-3 (NT-3) | P20783 |
| 69 | Neurturin (NRTN) | Q99748 |
| 70 | Oncostatin-M (OSM) | P13725 |
| 71 | Osteoprotegerin (OPG) | O00300 |
| 72 | Programmed cell death 1 ligand 1 (PD-L1) | Q9NZQ7 |
| 73 | Protein S100-A12 (EN-RAGE ) | P80511 |
| 74 | Signaling lymphocytic activation molecule (SLAMF1) | Q13291 |
| 75 | SIR2-like protein 2 (SIRT2) | Q8IXJ6 |
| 76 | STAM-binding protein (STAMPB) | O95630 |
| 77 | Stem cell factor (SCF) | P21583 |
| 78 | Sulfotransferase 1A1 (ST1A1) | P50225 |
| 79 | T-cell surface glycoprotein CD5 (CD5) | P06127 |
| 80 | T-cell surface glycoprotein CD6 isoform (CD6) | P30203 |
| 81 | T-cell surface glycoprotein CD8 alpha chain (CD8A) | P01732 |
| 82 | Thymic stromal lymphopoietin (TSLP) | Q969D9 |
| 83 | TNF-beta (TNFB) | P01374 |
| 84 | TNF-related activation-induced cytokine (TRANCE) | O14788 |
| 85 | TNF-related apoptosis-inducing ligand (TRAIL) | P50591 |
| 86 | Transforming growth factor alpha (TGF-alpha) | P01135 |
| 87 | Tumor necrosis factor (Ligand) superfamily, member 12 (TWEAK) | O43508 |
| 88 | Tumor necrosis factor (TNF) | P01375 |
| 89 | Tumor necrosis factor ligand superfamily member 14 (TNFSF14) | O43557 |
| 90 | Tumor necrosis factor receptor superfamily member 9 (TNFRSF9) | Q07011 |
| 91 | Urokinase-type plasminogen activator (uPA) | P00749 |
| 92 | Vascular endothelial growth factor A (VEGF-A) | P15692 |

1. Zestaw do oznaczania 92 białek, roboczo nazwanych jako „kardio-metabolizm”:

|  |  |  |
| --- | --- | --- |
| lp | Target | UniProt No |
| 1 | Angiogenin (ANG) | P03950 |
| 2 | Angiopoietin-related protein 3 (ANGPTL3) | Q9Y5C1 |
| 3 | Apolipoprotein M (APOM) | O95445 |
| 4 | Beta-Ala-His dipeptidase (CNDP1) | Q96KN2 |
| 5 | Beta-galactoside alpha-2,6-sialyltransferase 1 (ST6GAL1) | P15907 |
| 6 | Cadherin-1 (CDH1) | P12830 |
| 7 | Carbonic anhydrase 1 (CA1) | P00915 |
| 8 | Carbonic anhydrase 3 (CA3) | P07451 |
| 9 | Carbonic anhydrase 4 (CA4) | P22748 |
| 10 | Cartilage acidic protein 1 (CRTAC1) | Q9NQ79 |
| 11 | Cartilage oligomeric matrix protein (COMP) | P49747 |
| 12 | C-C motif chemokine 14 (CCL14) | Q16627 |
| 13 | C-C motif chemokine 18 (CCL18) | P55774 |
| 14 | C-C motif chemokine 5 (CCL5) | P13501 |
| 15 | CD59 glycoprotein (CD59) | P13987 |
| 16 | Coagulation factor VII (F7) | P08709 |
| 17 | Coagulation factor XI (F11) | P03951 |
| 18 | Collagen alpha-1(XVIII) chain (COL18A1) | P39060 |
| 19 | Complement C1q tumor necrosis factor-related protein 1 (C1QTNF1) | Q9BXJ1 |
| 20 | Complement C2 (C2) | P06681 |
| 21 | Complement factor H-related protein 5 (CFHR5) | Q9BXR6 |
| 22 | Complement receptor type 2 (CR2) | P20023 |
| 23 | Cystatin-C (CST3) | P01034 |
| 24 | Dipeptidyl peptidase 4 (DPP4) | P27487 |
| 25 | EGF-containing fibulin-like extracellular matrix protein 1 (EFEMP1) | Q12805 |
| 26 | Endoglin (ENG) | P17813 |
| 27 | Fetuin-B (FETUB) | Q9UGM5 |
| 28 | Ficolin-2 (FCN2) | Q15485 |
| 29 | Glutaminyl-peptide cyclotransferase (QPCT) | Q16769 |
| 30 | Granulysin (GNLY) | P22749 |
| 31 | Growth arrest-specific protein 6 (GAS6) | Q14393 |
| 32 | Hepatocyte growth factor receptor (MET) | P08581 |
| 33 | Ig lambda-2 chain C regions (IGLC2) | P0CG05 |
| 34 | Insulin-like growth factor-binding protein 3 (IGFBP3) | P17936 |
| 35 | Insulin-like growth factor-binding protein 6 (IGFBP6) | P24592 |
| 36 | Integrin alpha-M (ITGAM) | P11215 |
| 37 | Intercellular adhesion molecule 1 (ICAM1) | P05362 |
| 38 | Intercellular adhesion molecule 3 (ICAM3) | P32942 |
| 39 | Interleukin-7 receptor subunit alpha (IL7R) | P16871 |
| 40 | Latent-transforming growth factor beta-binding protein 2 (LTBP2) | Q14767 |
| 41 | Leukocyte immunoglobulin-like receptor subfamily B member 1 (LILRB1) | Q8NHL6 |
| 42 | Leukocyte immunoglobulin-like receptor subfamily B member 2 (LILRB2) | Q8N423 |
| 43 | Leukocyte immunoglobulin-like receptor subfamily B member 5 (LILRB5) | O75023 |
| 44 | Lithostathine-1-alpha (REG1A) | P05451 |
| 45 | Liver carboxylesterase 1 (CES1) | P23141 |
| 46 | Low affinity immunoglobulin gamma Fc region receptor II-a (FCGR2A) | P12318 |
| 47 | Low affinity immunoglobulin gamma Fc region receptor III-B (FCGR3B) | O75015 |
| 48 | L-selectin (SELL) | P14151 |
| 49 | Lymphatic vessel endothelial hyaluronic acid receptor 1 (LYVE1) | Q9Y5Y7 |
| 50 | Lysosomal Pro-X carboxypeptidase (PRCP) | P42785 |
| 51 | Mannose-binding protein C (MBL2) | P11226 |
| 52 | Mast/stem cell growth factor receptor Kit (KIT) | P10721 |
| 53 | Membrane cofactor protein (CD46) | P15529 |
| 54 | Membrane primary amine oxidase (AOC3) | Q16853 |
| 55 | Metalloproteinase inhibitor 1 (TIMP1) | P01033 |
| 56 | Microfibrillar-associated protein 5 (MFAP5) | Q13361 |
| 57 | Multiple epidermal growth factor-like domains protein 9 (MEGF9) | Q9H1U4 |
| 58 | Neural cell adhesion molecule 1 (NCAM1) | P13591 |
| 59 | Neural cell adhesion molecule L1-like protein (CHL1) | O00533 |
| 60 | Neurogenic locus notch homolog protein 1 (NOTCH1) | P46531 |
| 61 | Neuropilin-1 (NRP1) | O14786 |
| 62 | Neutrophil defensin 1 (DEFA1) | P59665 |
| 63 | Neutrophil gelatinase-associated lipocalin (LCN2) | P80188 |
| 64 | Nidogen-1 (NID1) | P14543 |
| 65 | Oncostatin-M-specific receptor subunit beta (OSMR) | Q99650 |
| 66 | Peptidyl-glycine alpha-amidating monooxygenase (PAM) | P19021 |
| 67 | Phospholipid transfer protein (PLTP) | P55058 |
| 68 | Plasma serine protease inhibitor (SERPINA5) | P05154 |
| 69 | Platelet glycoprotein Ib alpha chain (GP1BA) | P07359 |
| 70 | Platelet-activating factor acetylhydrolase (PLA2G7) | Q13093 |
| 71 | Plexin-B2 (PLXNB2) | O15031 |
| 72 | Procollagen C-endopeptidase enhancer 1 (PCOLCE) | Q15113 |
| 73 | Prolyl endopeptidase FAP (FAP) | Q12884 |
| 74 | Receptor-type tyrosine-protein phosphatase S (PTPRS) | Q13332 |
| 75 | Regenerating islet-derived protein 3-alpha (REG3A) | Q06141 |
| 76 | Serum amyloid A-4 protein (SAA4) | P35542 |
| 77 | SPARC-like protein 1 (SPARCL1) | Q14515 |
| 78 | Superoxide dismutase [Cu-Zn] (SOD1) | P00441 |
| 79 | T-cell immunoglobulin and mucin domain-containing protein 4 (TIMD4) | Q96H15 |
| 80 | Tenascin (TNC) | P24821 |
| 81 | Tenascin-X (TNXB) | P22105 |
| 82 | Thrombospondin-4 (THBS4) | P35443 |
| 83 | Thyroxine-binding globulin (SERPINA7) | P05543 |
| 84 | Transcobalamin-2 (TCN2) | P20062 |
| 85 | Transforming growth factor beta receptor type 3 (TGFBR3) | Q03167 |
| 86 | Transforming growth factor-beta-induced protein ig-h3 (TGFBI) | Q15582 |
| 87 | Trypsin-2 (PRSS2) | P07478 |
| 88 | Tyrosine-protein kinase receptor Tie-1 (TIE1) | P35590 |
| 89 | Uromodulin (UMOD) | P07911 |
| 90 | Vascular cell adhesion protein 1 (VCAM1) | P19320 |
| 91 | Vasorin (VASN) | Q6EMK4 |
| 92 | Vitamin K-dependent protein C (PROC) | P04070 |