

## Mouse CXCL16 ELISA Kit | CXCL16 elisa kit

Mouse CXCL16 PicoKine Quick ELISA Kit

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| CATALOG #<br><b>AAA126812</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

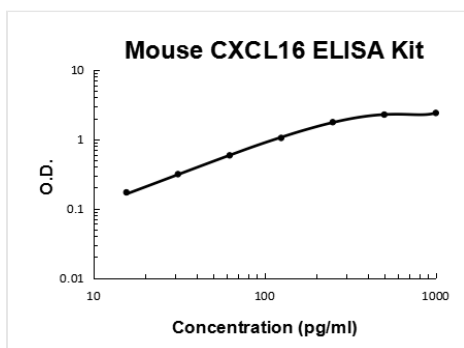
### PRODUCT SYNONYMS

CXCL16; Mouse CXCL16 PicoKine Quick ELISA Kit; CXCL16 elisa kit

### PRODUCT SPECIFICATIONS

|                                              |                                                                                                                                                                                                 |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                   | Mouse                                                                                                                                                                                           |
| Specificity                                  | Natural and recombinant Mouse Cxcl16                                                                                                                                                            |
| Assay Type                                   | Sandwich                                                                                                                                                                                        |
| Samples                                      | Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)                                                                                                                       |
| Detection Range                              | 15.6 pg/ml - 1,000 pg/ml                                                                                                                                                                        |
| Sensitivity                                  | <1 pg/ml                                                                                                                                                                                        |
| Applicable Applications for CXCL16 elisa kit | ELISA                                                                                                                                                                                           |
| Intra-assay Precision                        | Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.                                               |
| Inter-assay Precision                        | Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.                                           |
| Preparation and Storage                      | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.) |

### IMAGES



Standard Curve (Sample)

Mouse CXCL16 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

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| Related Product Information for CXCL16 elisa kit | <p>Background: Chemokine(C-X-C motif) ligand 16(CXCL16) is a small cytokine belonging to the CXC chemokine family. Larger than other chemokines(with 254 amino acids), CXCL16 is composed of a CXC chemokine domain, a mucin-like stalk, a transmembrane domain and a cytoplasmic tail containing a potential tyrosine phosphorylation site that may bind SH2. These are unusual features for a chemokine, and allow CXCL16 to be expressed as a cell surface bound molecule, as well as a soluble chemokine. CXCL16 is produced by dendritic cells found in the T cell zones of lymphoid organs, and by cells found in the red pulp of the spleen. Cells that bind and migrate in response to CXCL16 include several subsets of T cells, and natural killer T(NKT) cells. CXCL16 interacts with the chemokine receptor CXCR6, also known as Bonzo. Expression of CXCL16 is induced by the inflammatory cytokines IFN-gamma and TNF-alpha.2 The gene for human CXCL16 is located on chromosome 17p13. The standard product used in this kit is recombinant mouse CXCL16, consisting of 88 amino acids with the molecular mass of 9.9KDa.</p> <p>Principle of the Assay: The Quick Picokine™ Mouse Cxcl16 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Cxcl16 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Mouse Cxcl16 protein as standards. To measure Mouse Cxcl16, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Mouse Cxcl16 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Cxcl16 in the sample.</p> |
| Product Categories/Family for CXCL16 elisa kit   | PicoKine ELISA Kits, Fast ELISA Kits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 83745124                                                                                                                                                                                                                                                        |
| NCBI GeneID                      | 66102                                                                                                                                                                                                                                                           |
| NCBI Accession #                 | NP_075647.3                                                                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_023158.6                                                                                                                                                                                                                                                     |
| UniProt Accession #              | Q8BSU2; Q3UD70; Q5F2D5; Q8VE25; Q9EPB3                                                                                                                                                                                                                          |
| Molecular Weight                 | 26,896 Da                                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | C-X-C motif chemokine 16                                                                                                                                                                                                                                        |
| NCBI Official Synonym Full Names | chemokine (C-X-C motif) ligand 16                                                                                                                                                                                                                               |
| NCBI Official Symbol             | Cxcl16                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Symbols    | SR-PSOX; Zmynd15; AV290116; BB024863; CXCL16v1; CXCL16v2; b2b498Clo; 0910001K24Rik                                                                                                                                                                              |
| NCBI Protein Information         | C-X-C motif chemokine 16; Cxc chemokine ligand 16; Mutant line 498; SR-PSOX/CXCL16; scavenger receptor for phosphatidylserine and oxidized low density lipoprotein; small-inducible cytokine B16; transmembrane chemokine CXCL16; zinc finger, MYND-type contai |
| UniProt Protein Name             | C-X-C motif chemokine 16                                                                                                                                                                                                                                        |
| UniProt Gene Name                | Cxcl16                                                                                                                                                                                                                                                          |
| UniProt Synonym Gene Names       | Srpsox; SR-PSOX                                                                                                                                                                                                                                                 |
| UniProt Entry Name               | CXL16_MOUSE                                                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

