

## Guinea Pig CXC-chemokine ligand 16 ELISA Kit | CXCL16 elisa kit

Guinea pig CXC-chemokine ligand 16 ELISA Kit

CATALOG #  
**AAA85569**

REACTIVITY  
**Guinea Pig**

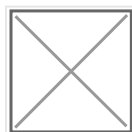
### PRODUCT SYNONYMS

CXC-chemokine ligand 16; Guinea pig CXC-chemokine ligand 16 ELISA Kit; CXCL16 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Guinea Pig                                                                 |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Sandwich                                                                   |
| Detection Range         | 50-1000pg/mL                                                               |
| Sensitivity             | 1.0pg/mL                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CXCL16 elisa kit

**For samples:** Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

**INTENDED USE** This CXCL16 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig CXCL16. This ELISA kit for research use only!

**PRINCIPLE OF THE ASSAY** CXCL16 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CXCL16 antibody and an CXCL16-HRP conjugate. The assay sample and buffer are incubated together with CXCL16-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CXCL16 concentration since CXCL16 from samples and CXCL16-HRP conjugate compete for the anti-CXCL16 antibody binding site. Since the number of sites is limited, as more sites are occupied by CXCL16 from the sample, fewer sites are left to bind CXCL16-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CXCL16 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for CXCL16 elisa kit

[Immunology](#)

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 154816178                                                                                                                                                                                       |
| NCBI GeneID                      | 58191                                                                                                                                                                                           |
| NCBI Accession #                 | NP_001094282.1                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_001100812.1                                                                                                                                                                                  |
| Molecular Weight                 | 27,579 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    | SRPSOX; CXCLG16; SR-PSOX                                                                                                                                                                        |
| NCBI Protein Information         | C-X-C motif chemokine 16; CXC chemokine ligand 16; small-inducible cytokine B16; transmembrane chemokine CXCL16; scavenger receptor for phosphatidylserine and oxidized low density lipoprotein |
| UniProt Protein Name             | C-X-C motif chemokine 16                                                                                                                                                                        |
| UniProt Gene Name                | <b>CXCL16</b>                                                                                                                                                                                   |
| UniProt Synonym Gene Names       | SCYB16; SRPSOX; UNQ2759/PRO6714; SR-PSOX                                                                                                                                                        |
| UniProt Entry Name               | CXL16_HUMAN                                                                                                                                                                                     |

**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.

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