

Mouse CXCL16 ELISA Kit | CXCL16 elisa kit

Mouse CXCL16 PicoKine ELISA Kit

CATALOG #
AAA45353

REACTIVITY
Mouse

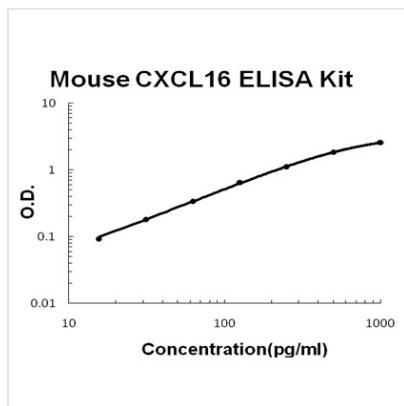
PRODUCT SYNONYMS

CXCL16; Mouse CXCL16 PicoKine ELISA Kit; C-X-C motif chemokine 16; chemokine (C-X-C motif) ligand 16; 0910001K24Rik; AV290116; BB024863; C X C motif chemokine 16; Chemokine (C X C motif) ligand 16; CXC chemokine ligand 16; CXCLG16; DN 491F10.6; Scavenger receptor for phosphatidylserine and oxidized low density lipoprotein; SCYB16; Small inducible cytokine B; Small inducible cytokine B16; Small inducible cytokine B16 precursor; SR PSOX; SR PSOX/CXCL16 scavenger receptor for phosphatidylserine and oxidized low density lipoprotein; SRPSOX; Transmembrane chemokine CXCL16; Zinc finger; MYND-type containing 15; Zmynd15; CXCL16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CXCL16
Sequence Length	246
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 1pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse CXCL16 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CXCL16 elisa kit	Principle of the assay: mouse CXCL16 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CXCL16 has been precoated onto 96-well plates. Standards(E.coli,N27-P114) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CXCL16 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse CXCL16 amount of sample captured in plate. 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 SH2.1 These are unusual features for a chemokine, and allow CXCL16 to be expressed as a cell surfacebound molecule, as well as a soluble chemokine.2 CXCL16 is produced by dendritic cells found in the T cell zonesof lymphoid organs, and by cells found in the red pulp of the spleen.1 Cells that bind and migrate in response toCXCL16 include several subsets of T cells, and natural killer T (NKT) cells.1 CXCL16 interacts with the chemokinereceptor CXCR6, also known as Bonzo.1, 3 Expression of CXCL16 is induced by the inflammatory cytokinesIFN-gamma and TNF-alpha.2 The gene for human CXCL16 is located on chromosome 17p13.4 The standardproduct used in this kit is recombinant mouse CXCL16, consisting of 88 amino acids with the molecular mass of 9.9KDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	37088434
NCBI GeneID	66102
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; b2b498C1o; 0910001K24Rik
NCBI Protein Information	C-X-C motif chemokine 16; SR-PSOX/CXCL16; Mutant line 498; Cxc chemokine ligand 16; small-inducible cytokine B16; transmembrane chemokine CXCL16; zinc finger, MYND-type containing 15; scavenger receptor for phosphatidylserine and oxidized low density lipoprotein
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.