

Human CXCL16 ELISA Kit | CXCL16 elisa kit

Human CXCL16 PicoKine ELISA Kit

CATALOG #
AAA45524

REACTIVITY
Human

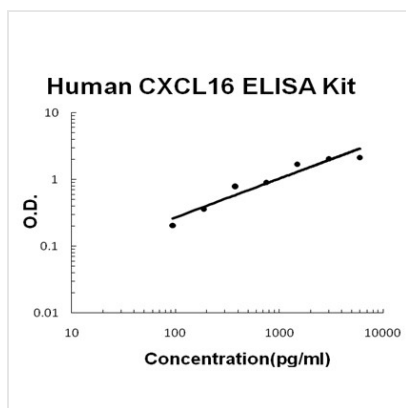
PRODUCT SYNONYMS

CXCL16; Human 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	Human
Specificity	Natural and recombinant human CXCL16
Sequence Length	254
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	93.7pg/ml-6000pg/ml
Sensitivity	< 10pg/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)

Human CXCL16 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CXCL16 elisa kit

Principle of the assay: human CXCL16 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CXCL16 has been precoated onto 96-well plates. Standards(E.coli,N49-P137) 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 human 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. 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.[1] CXCL16 interacts with the chemokine receptor CXCR6, also known as Bonzo. The novel CXC-chemokine ligand 16 (CXCL16) functions as transmembrane adhesion molecule on the surface of APCs and as a soluble chemoattractant for activated T cells. Expression of CXCL16 is induced by the inflammatory cytokines IFN-gamma and TNF-alpha. The gene for human CXCL16 is located on chromosome 17.

NCBI AND UNIPROT INFORMATION

NCBI GI #	209572770
NCBI GeneID	58191
UniProt Accession #	Q9H2A7; Q8TC80; Q96K63; Q9BXD6; Q9H2F6; A0N0N4; A8K7U9; B2RCB0
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	CXCL16
UniProt Synonym Gene Names	SCYB16; SRPSOX; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cxcl16/45524>