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CXCL16 ELISA Kit





Overview

Quantity:	1 kit
	0.001.16
Target:	CXCL16
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: 0910001K24Rik, AV290116, BB024863, C X C motif chemokine 16, Chemokine (C X

Synonyms: 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 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, consis...

Gene Name: CXCL16

Production: Natural and recombinant mouse CXCL16. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: N27-P114

Target Details

Target:	CXCL16
Alternative Name:	CXCL16 (CXCL16 Products)
Gene ID:	66102
NCBI Accession:	NP_075647
UniProt:	Q8BSU2

Application Details

Application Notes:

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL mouse CXCL16 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse CXCL16 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 15.6pg/mL-1000pg/mL

Sample Volume: 100 µL

Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

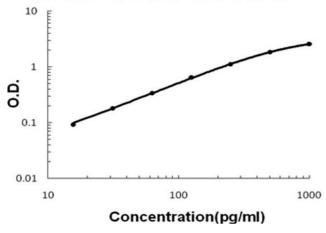
Storage:	RT,4 °C,-20 °C

Storage Comment:

Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images

Mouse CXCL16 ELISA Kit



ELISA

Image 1. Mouse CXCL16 Accusignal ELISA Kit Mouse CXCL16 AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.