

Datasheet for ABIN6719735
CXCL16 ELISA Kit

1 Image

[Go to Product page](#)

Overview

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|--------------------------|-------------------------|
| Quantity: | 1 kit |
| Target: | CXCL16 |
| Reactivity: | Human |
| Method Type: | Sandwich ELISA |
| Detection Range: | 93.7 pg/mL - 6000 pg/mL |
| Minimum Detection Limit: | 93.7 pg/mL |
| Application: | ELISA |

Product Details

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| Purpose: | Sandwich ELISA for Quantitative Detection of Antigen |
| Sample Type: | Cell Culture Supernatant, Plasma (EDTA - heparin), Serum |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Characteristics: | <p>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</p> <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</p> |

Product Details

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. 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.

Gene Name: CXCL16

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

Standard: Expression system for standard: E.coli, Immunogen sequence: N49-P137

Target Details

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| Target: | CXCL16 |
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| Alternative Name: | CXCL16 (CXCL16 Products) |
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| Gene ID: | 58191 |
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| NCBI Accession: | NP_001094282 |
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| UniProt: | Q9H2A7 |
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Application Details

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| Application Notes: | <p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 6000pg/mL, 3000pg/mL, 1500pg/mL, 750pg/mL, 419pg/mL, 187.5pg/mL, 93.7pg/mL human 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 human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human CXCL16 standard solution and each sample be measured in duplicate.</p> |
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Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 93.7pg/mL-6000pg/mL

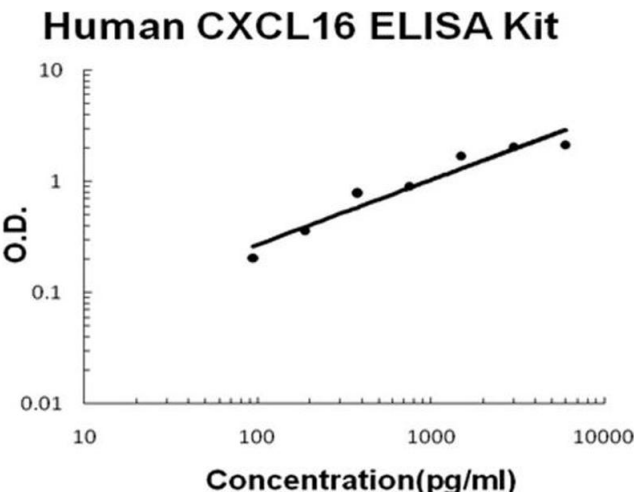
Application Details

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| Sample Volume: | 100 µL |
| Plate: | Pre-coated |
| Restrictions: | For Research Use only |

Handling

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| 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



ELISA

Image 1. Human CXCL16 Accusignal ELISA Kit Human CXCL16 AccuSignal ELISA Kit standard curve. Assay Range: 93.7pg/ml-6000pg/ml. Sensitivity: <10pg/ml.