

Datasheet for ABIN6719934 **CXCL10 ELISA Kit**



[Go to Product page](#)

1 Image

Overview

Quantity:	1 kit
Target:	CXCL10
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 11 kDa interferon gamma-induced protein, C7, Chemokine CXC motif ligand 10, Crg 2, CRG2, CXCL10, CXL10_HUMAN, Gamma IP10, gIP 10, GIP10, IFI10, INP 10, Interferon activated gene 10, Interferon gamma induced cell line, Interferon inducible cytokine IP10, I10, IP-10, MOB1, SCYB10, Small inducible cytokine B10, Small inducible cytokine B10 precursor, Small inducible cytokine subfamily B (Cys X Cys) member 10, Small inducible cytokine subfamily B CXC member 10, Small-inducible cytokine B101</p> <p>Background: Chemokine(C-X-C motif) ligand 10(CXCL10) or IP-10 is a small cytokine belonging to the CXC chemokine family that is also known as 10 kDa interferon-gamma-induced</p>

Product Details

protein(gamma-IP10 or IP-10). CXCL10 is secreted by several cell types in response to IFN-gamma. These cell types include monocytes, endothelial cells and fibroblasts. CXCL10 has been attributed to several roles, such as chemoattraction for monocytes/macrophages, T cells, NK cells, and dendritic cells, promotion of T cell adhesion to endothelial cells, antitumor activity, and inhibition of bone marrow colony formation and angiogenesis. It is a potent inhibitor of angiogenesis in vivo. The gene for CXCL10 is located on human chromosome 4 in a cluster among several other CXC chemokines. It is a RAS target gene and is overexpressed in the majority of colorectal cancers. This chemokine elicits its effects by binding to the cell surface chemokine receptor CXCR3.

Gene Name: CXCL10

Production: Natural and recombinant mouse CXCL10. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: I22-P98

Target Details

Target: CXCL10

Alternative Name: CXCL10 - IP-10 ([CXCL10 Products](#))

Gene ID: 15945

NCBI Accession: [NP_067249](#)

UniProt: [P17515](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL mouse CXCL10 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) to each empty well. It is recommended that each mouse CXCL10 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 31.2pg/mL-2000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Application Details

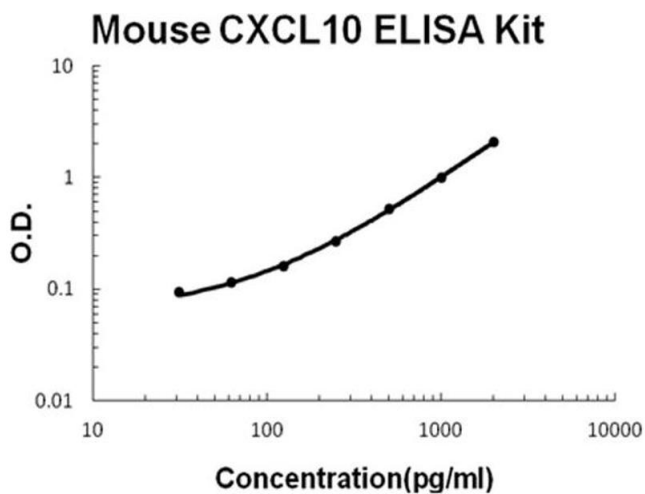
Restrictions: For Research Use only

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



ELISA

Image 1. Mouse CXCL10/IP-10 Accusignal ELISA Kit Mouse CXCL10/IP-10 AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <1pg/ml.