

Mouse chemokine (C-X-C motif) ligand 10 ELISA Kit | CXCL10 elisa kit

Mouse interferon-inducible protein 10, IP-10 ELISA Kit

CATALOG #
AAA79928

REACTIVITY
Mouse

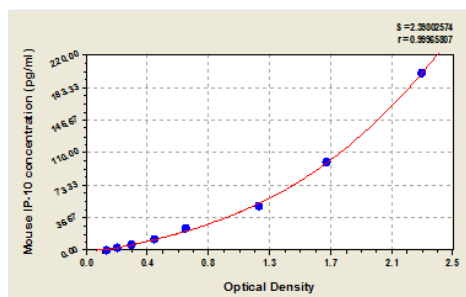
PRODUCT SYNONYMS

chemokine (C-X-C motif) ligand 10; Mouse interferon-inducible protein 10; IP-10 ELISA Kit; C7; IFI10; INP10; IP-10; SCYB10; crg-2; gIP-10; mob-1; gamma IP10; interferon-inducible cytokine IP-10; protein 10 from interferon (gamma) -induced cell line; small inducible cytokine B10; small inducibl; CXCL10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse CXCL10. No significant cross-reactivity or interference between Mouse CXCL10 and analogues was observed.
Sequence Length	98
Detection Range	3.2 pg/ml-200 pg/ml
Sensitivity	0.8 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Immunity
Protein Biological Process 2	chemokine
Protein Biological Process 3	Chemotaxis
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CXCL10 elisa kit	Introduction: Interferon-inducible protein-10 (IP-10) is a member of the C-X-C chemokine family that is also known as 10 kDa interferon-gamma-induced protein (gamma-IP10 or IP-10). IP-10 is secreted by several cell types in response to IFN-gamma. These cell types include monocytes, endothelial cells and fibroblasts. IP-10 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. The gene for IP-10 is located on human chromosome 4 in a cluster among several other CXC chemokines. This chemokine elicits its effects by binding to the cell surface chemokine receptor CXCR3. The three-dimensional crystal structure of this chemokine has been determined under 3 different conditions to a resolution of up to 1.92Å. The Protein Data Bank accession codes for the structures of CXCL10 are 1lv9, 1o7y, 1o7z and 1o80. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IP-10. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for IP-10 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain IP-10, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of IP-10 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	10946576
NCBI GeneID	15945
NCBI Accession #	NP_067249.1
NCBI GenBank Nucleotide #	NM_021274.2
UniProt Accession #	P17515
Molecular Weight	10,789 Da
NCBI Official Full Name	C-X-C motif chemokine 10
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 10
NCBI Official Symbol	Cxcl10
NCBI Official Synonym Symbols	C7; IP10; CRG-2; INP10; IP-10; Ifi10; mob-1; Scyb10; glp-10
NCBI Protein Information	C-X-C motif chemokine 10; gamma-IP10; interferon activated gene 10; small-inducible cytokine B10; interferon-gamma induced protein CRG-2; interferon-gamma-induced protein CRG-2; 10 kDa interferon gamma-induced protein; small inducible cytokine B subfamily (Cys-X-Cys), member 10
UniProt Protein Name	C-X-C motif chemokine 10
UniProt Gene Name	Cxcl10
UniProt Synonym Gene Names	Crg2; Ifi10; Inp10; Scyb10; Gamma-IP10; IP-10
UniProt Entry Name	CXL10_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cxcl10-mouse-elisa-kits/chemokine-c-x-c-motif-ligand-10/79928>