

Human CXCL10/IP-10 ELISA Kit | CXCL10 elisa kit

Human CXCL10/IP-10 PicoKine ELISA Kit

CATALOG #
AAA45247

REACTIVITY
Human

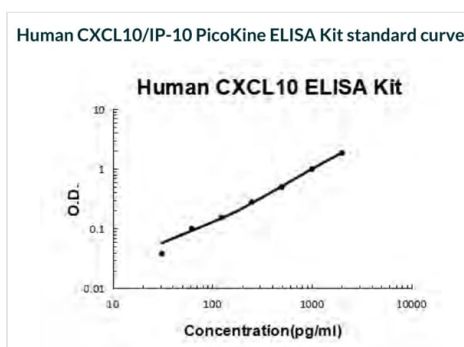
PRODUCT SYNONYMS

CXCL10/IP-10; Human CXCL10/IP-10 PicoKine ELISA Kit; C-X-C motif chemokine 10; chemokine (C-X-C motif) ligand 10; 10 kDa interferon gamma-induced protein; C7; Chemokine (C X C motif) ligand 10; Chemokine CXC motif ligand 10; Crg 2; CRG2; CXCL10; CXCL10(1-73); CXL10_HUMAN; Gamma IP10; Gamma-IP10; gIP 10; GIP10; IFI10; INP 10; Interferon activated gene 10; Interferon gamma induced cell line; Interferon inducible cytokine IP10; IP 10; 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 B10; CXCL10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CXCL10
Sequence Length	98
Samples	Cell culture supernatants, serum, plasma (heparin, EDTA), saliva and urine
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<1 pg/ml
Intra-assay Precision	Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Three samples of known concentration were tested in separate assays to assess inter-assay precision.
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)

ADDITIONAL INFORMATION

Related Product Information for CXCL10 elisa kit	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 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. Principle of the Assay: The Picokine™ Human CXCL10 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CXCL10 with a 96-well strip plate that is pre-coated with antibody specific for CXCL10. The detection antibody is a biotinylated antibody specific for CXCL10. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human CXCL10 with immunogen: Expression system for standard: E.coli; Immunogen sequence: V22-P98. The kit is analytically validated with ready-to-use reagents. To measure Human CXCL10, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human CXCL10 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CXCL10 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21542456
NCBI GeneID	3627
UniProt Accession #	P02778 ; Q96QJ5
Molecular Weight	10,881 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; IFI10; INP10; IP-10; crg-2; mob-1; SCYB10; gIP-10
NCBI Protein Information	C-X-C motif chemokine 10; gamma IP10; gamma-IP10; small-inducible cytokine B10; interferon-inducible cytokine IP-10; 10 kDa interferon gamma-induced protein; protein 10 from interferon (gamma)-induced cell line; small inducible cytokine subfamily B (Cys-X-Cys), member 10
UniProt Protein Name	C-X-C motif chemokine 10
UniProt Gene Name	CXCL10
UniProt Synonym Gene Names	INP10; SCYB10; Gamma-IP10; IP-10
UniProt Entry Name	CXL10_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cxcl10-ip-10/45247>