IP-10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IP-10, Polyclonal Antibody
Full Product Name	IP-10 (CXCL10, Crg2, Ifi10, Inp10, Scyb10) (AP)
Product Gene Name	anti-IP-10 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. Labeled with Alkaline Phosphatase.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes mouse IP-10.
Preparation and Storage	Lyophilized powder may be stored at -20 degree C. Stable for 12 months after receipt at -20 degree C. Reconstitute with sterile ddH2O. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Reconstituted product is stable for 12 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Molecular Weight	10,789 Da
Chromosome Location	Chromosome: 5; NC_000071.6 (92346638..92348889, complement). Location: 5 E2; 5 46.57 cM
3D Structure	ModBase 3D Structure for P17515
Immunogen	Recombinant protein corresponding to mouse IP-10.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-IP-10 antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-IP-10 antibody	Functional Assay, ELISA (EIA), Western Blot (WB)
Application Notes for anti-IP-10 antibody	Functional Assay: 0.5-0.9ug/ml ELISA: 0.5ug/ml WB: 0.1-0.2ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-IP-10 antibody	MBS6444315 is an antibody targeting IP-10. Also known as IP-10 (CXCL10, Crg2, Ifi10, Inp10, Scyb10) (AP). Reactive in Mouse. Host: Rabbit.
Product References and Citations for anti-IP-10 antibody	1. Zhou, j. et al. (2010). CXCR3-dependent accumulation and activation of perivascular macrophages is necessary for homeostatic arterial remodeling to hemodynamic stresses. J Exp Med August 23 [epub ahead of print.
Other Notes	Small volumes of anti-IP-10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IP-10. It may not necessarily be applicable to this product.

NCBI GI #	976159
NCBI GeneID	15945
NCBI Accession #	AAA75249.1
UniProt Primary Accession #	P17515
UniProt Related Accession #	P17515
NCBI Official Full Name	IP-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; gIP-10
UniProt Protein Name	C-X-C motif chemokine 10
UniProt Synonym Protein Names	10 kDa interferon gamma-induced protein; Gamma-IP10; IP-10; C7; Interferon-gamma induced protein CRG-2; Small-inducible cytokine B10
UniProt Gene Name	Cxcl10
UniProt Synonym Gene Names	Crg2; Ifi10; Inp10; Scyb10; Gamma-IP10; IP-10
UniProt Entry Name	CXL10_MOUSE
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
UniProt Comments for IP-10	CXCL10: Chemotactic for monocytes and T-lymphocytes. Binds to CXCR3. Belongs to the intercrine alpha (chemokine CxC) family. Protein type: Chemokine; Secreted; Secreted, signal peptide; Motility/polarity/chemotaxis Cellular Component: extracellular space; cell; extracellular region; external side of plasma membrane Molecular Function: heparin binding; CXCR3 chemokine receptor binding; chemokine activity; cytokine activity Biological Process: positive regulation of leukocyte chemotaxis; response to lipopolysaccharide; positive regulation of cAMP metabolic process; chemotaxis; regulation of cell proliferation; G-protein coupled receptor protein signaling pathway; negative regulation of angiogenesis; positive regulation of cell proliferation; immune response; positive regulation of release of sequestered calcium ion into cytosol; inflammatory response; negative regulation of myoblast differentiation; defense response to virus; positive regulation of cell migration
Research Articles on IP-10	**1.** Enterovirus 71 (EV71) infection boosts IP-10 expression to increase gamma interferon and gamma interferon (Mig) levels, infiltration of CD8 T cells, virus clearance in tissues and the survival of mice.
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