

Product datasheet for **AM26287FC-N**

IP10 (CXCL10) Mouse Monoclonal Antibody [Clone ID: 6D4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6D4
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<p>Immunohistochemistry on frozen sections (4): Tissue sections were fixed 10 minutes in acetone and pretreated with avidin/biotin blocking kit. As positive control chronically inflamed liver was used and as negative control normal liver and isotype matched antibody (Ref.4). The typical starting working dilution is 1:50.</p> <p>Flow cytometry (3): Antibody 6D4 stains human CXCL10. For intracellular staining activated plasmacytoid dendritic cells were fixed with 2% paraformaldehyde and permeabilized with 0.5% saponin. All steps were performed in presence of 0.5 M EDTA to avoid cell aggregation (Ref.3). The typical starting working dilution is 1:50.</p> <p>Immunoassays (1,2).</p> <p>Immunofluorescence (4).</p> <p>Western blot (4): Tissue was homogenized in loading sample buffer and subjected to SDS-PAGE. The band size is ~9 kDa (Ref.4). The typical starting working dilution is 1:50.</p> <p>Positive control: Activated plasmacytoid dendritic cells.</p> <p>Negative control: Normal liver.</p>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant human IP-10
Specificity:	The monoclonal antibody 6D4 recognizes human C-X-C motif chemokine 10 (IP-10), a protein of 98 amino acids.
Formulation:	<p>PBS</p> <p>Label: FITC</p> <p>State: Liquid 0.2 µm filtered Ig fraction</p> <p>Stabilizer: 0.1% bovine serum albumin</p> <p>Preservative: 0.02% sodium azide</p>
Concentration:	lot specific



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Purification:	Protein G
Conjugation:	FITC
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	C-X-C motif chemokine ligand 10
Database Link:	Entrez Gene 3627 Human P02778
Background:	IP-10, also known as CXCL10, functions as ligand for the CXCR3 receptor. IP-10 belongs to the α -chemokine (C-X-C) family, which can be divided in two subfamilies: (1) potent chemoattractants for neutrophils, like IL-8 and (2) potent chemoattractants for lymphocytes, like the IFN gamma inducible protein (IP)-10. IP-10 is produced by a wide variety of cell types ranging from neutrophils, dendritic cells and monocytes to hepatocytes, endothelial cells and keratinocytes. The cytokine is reported to be involved in a scala of inflammatory pathologies such as HIV, encephalitis, cutaneous T cell lymphoma, chronic hepatitis, psoriasis and acute anterior uveitis. Various observations strongly suggest a role for the C-X-C chemokines IL-8 and IP-10 in the regulation of angiogenic activity in cancer and in idiopathic pulmonary fibrosis. Furthermore IP-10 is associated with acute rejection processes estimated by the predictive properties of urinary IP-10 expression for the short- and long-term graft function after kidney transplantation.
Synonyms:	C-X-C motif chemokine 10, Small-inducible cytokine B10, Gamma-IP10, INP10, SCYB10