

Product datasheet for **PP1039P1**

IP10 (CXCL10) Rabbit Polyclonal Antibody

Product data:

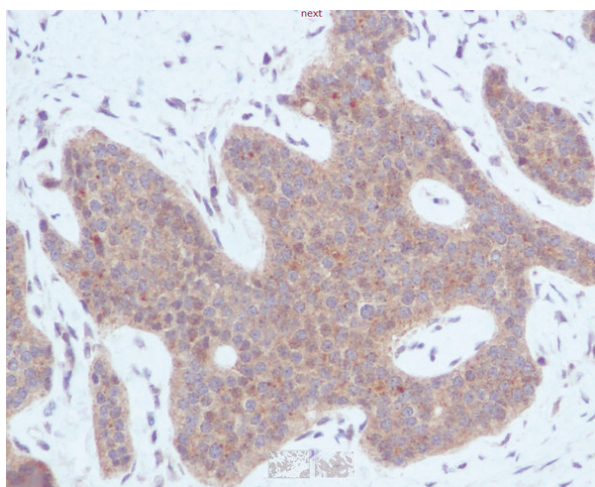
Product Type:	Primary Antibodies
Applications:	ELISA, FN, IHC, WB
Recommended Dilution:	Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of Human IP-10 (100.0 ng/ml), a concentration of 5.0-8.0 µg/ml of this antibody is required. Indirect ELISA: To detect Human IP-10 by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2-0.4 ng/well of recombinant Human IP-10. Sandwich ELISA: To detect Human IP-10 by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotin conjugated Anti-Human IP-10 (PP1039B1 or PP1039B2) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human IP-10. Western Blot: To detect Human IP-10 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human IP-10 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions. Immunohistochemistry on Paraffin Sections: This antibody stained formalin-fixed paraffin-embedded sections of human carcinoid tissue. The recommended concentration is 1.0 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 sodium citrate buffer is recommended. Optimal concentrations and conditions may vary.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant Human IP-10 (<i>Cat.-No</i> PA092)
Specificity:	Recognizes Human Interferon-gamma Inducible Protein-10 (IP-10). Other species not tested.
Formulation:	PBS, pH 7.2 without preservatives State: Aff - Purified State: Lyophilized purified Ig fraction.



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Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing immobilized Human IP-10 matrix.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	C-X-C motif chemokine ligand 10
Database Link:	Entrez Gene 3627 Human P02778
Background:	Interferon-gamma-inducible 10 kD protein (IP-10), is a CXC chemokine with chemoattractant properties for CD4-positive T cells and inhibits early normal and leukemic hemopoietic progenitor proliferation. IP-10 is produced by a wide variety of cell types ranging from neutrophils 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 and acute anterior uveitis. Various observations strongly suggest a role for the CXC chemokines IL-8 and IP-10 in the regulation of angiogenic activity in cancer and in idiopathic pulmonary fibrosis.
Synonyms:	C-X-C motif chemokine 10, Small-inducible cytokine B10, Gamma-IP10, INP10, SCYB10

Product images:



This antibody stained formalin-fixed paraffin-embedded sections of human carcinoma tissue. The recommended concentration is 1.0 ug/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 sodium citrate buffer is recommended. Optimal concentrations.