

CXCL10/IP-10 Recombinant antibody

Catalog Number: 85307-1-RR

Basic Information

Catalog Number: 85307-1-RR	GenBank Accession Number: BC010954	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 3627	CloneNo.: 242013E11
Source: Rabbit	UNIPROT ID: P02778	Recommended Dilutions: WB: 1:500-1:2000 IHC: 1:200-1:800
Isotype: IgG	Full Name: chemokine (C-X-C motif) ligand 10	
Immunogen Catalog Number: EG2489	Calculated MW: 11 kDa Observed MW: 11 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : IFN gamma, LPS and Brefeldin A treated THP-1 cells,

IHC : human ovary cancer tissue, human colon tissue

Background Information

CXCL10 (also known as IP-10) is a member of the CXC chemokine family which binds to the CXCR3 receptor to exert its biological effects. CXCL10 is a 12-kDa protein and constitutes two internal disulfide cross bridges. The predicted signal peptidase cleavage generates a 10-kDa secreted polypeptide with four conserved cysteine residues in the N-terminal. The CXCL10 gene localizes on chromosome 4 at band q21, a locus associated with an acute monocytic/B-lymphocyte lineage leukemia exhibiting translocation of t (4; 11) (q21; q23). CXCL10 mediates leukocyte trafficking, adaptive immunity, inflammation, haematopoiesis and angiogenesis. Under proinflammatory conditions CXCL10 is secreted from a variety of cells, such as leukocytes, activated neutrophils, eosinophils, monocytes, epithelial cells, endothelial cells, stromal cells (fibroblasts) and keratinocytes in response to IFN- γ .

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

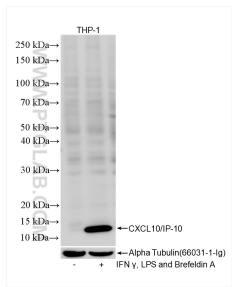
T: 4006900926

E: Proteintech-CN@ptglab.com

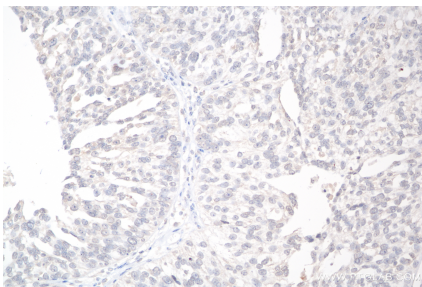
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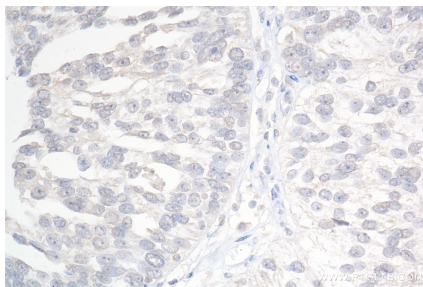
Selected Validation Data



IFN gamma, LPS and Brefeldin A treated THP-1 cells were subjected to SDS PAGE followed by western blot with 85307-1-RR (CXCL10/IP-10 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 85307-1-RR (CXCL10/IP-10 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 85307-1-RR (CXCL10/IP-10 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).