

For Research Use Only

CXCL8/IL-8 Polyclonal antibody

Catalog Number: 31533-1-AP



Basic Information

Catalog Number: 31533-1-AP	GenBank Accession Number: BC013615	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 260 ug/ml by Nanodrop;	GeneID (NCBI): 3576	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	ENSEMBL Gene ID: ENSG00000169429	
Isotype: IgG	UNIPROT ID: P10145	
	Full Name: interleukin 8	
	Calculated MW: 99 aa, 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 : THP-1 cells,

IHC : human tonsillitis tissue, human intrahepatic cholangiocarcinoma tissue

Background Information

Interleukin 8 (IL-8), also known as CXCL8, is a CXC chemokine family member. This chemokine is secreted by a variety of cell types including monocyte/macrophages, T cells, neutrophils, fibroblasts, endothelial cells, and various tumor cell lines in response to inflammatory stimuli. IL-8 has two primary functions. It induces chemotaxis in target cells, primarily neutrophils but also other granulocytes, causing them to migrate toward the site of infection. IL-8 also induces phagocytosis once they have arrived. This gene is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. IL-8 is also known to be a potent promoter of angiogenesis. IL-8 has been associated with tumor angiogenesis, metastasis, and poor prognosis in breast cancer. IL-8 may present a novel therapeutic target for estrogen driven breast carcinogenesis and tumor progression. The human IL-8 cDNA sequence predicts a protein of 99 amino acids. Removal of a 22-residue signal peptide generates a mature protein of 77 amino acids (~ 8 kDa).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

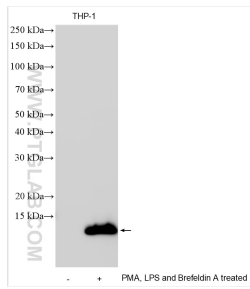
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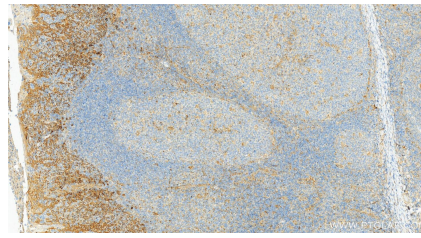
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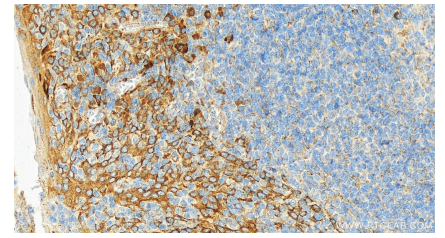
Selected Validation Data



Untreated, PMA, LPS and Brefeldin A treated THP-1 cells were subjected to SDS PAGE followed by western blot with 31533-1-AP (CXCL8/IL-8 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 31533-1-AP (CXCL8/IL-8 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 31533-1-AP (CXCL8/IL-8 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).