

CXCL8/IL-8 Polyclonal antibody

Catalog Number: 17038-1-AP

14 Publications

Basic Information

Catalog Number: 17038-1-AP	GenBank Accession Number: BC013615	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3576	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: interleukin 8	
Isotype: IgG	Calculated MW: 99 aa, 11 kDa	
Immunogen Catalog Number: AG10552		

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : PMA, LPS and Brefeldin A treated THP-1 cells, IHC : human tonsillitis tissue, human pancreas cancer tissue
Cited Applications: IF, IHC	
Species Specificity: human	
Cited Species: human	

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

Background Information

Interleukin 8 (IL-8), also known as CXCL8, which is a member of the CXC chemokine family. 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Pedram Tabatabaei	27664151	J Neurooncol	IHC
Dayan Dan D	23342263	Cancer Med	IHC
Junjie Gu	33731686	Cell Death Dis	

Storage

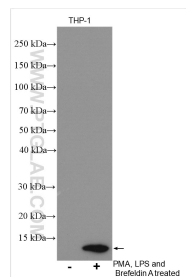
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
 Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

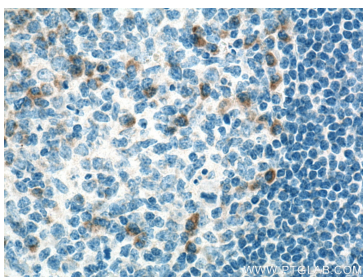
For technical support and original validation data for this product please contact:
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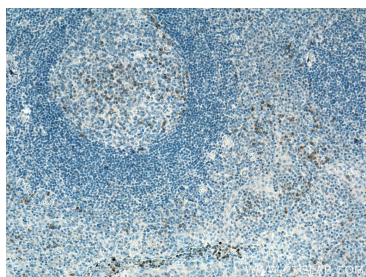
Selected Validation Data



PMA, LPS and Brefeldin A treated THP-1 cells were subjected to SDS PAGE followed by western blot with 17038-1-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 17038-1-AP (CXCL8/IL-8 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17038-1-AP (CXCL8/IL-8 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).