

For Research Use Only

CXCL8/IL-8 Polyclonal antibody

Catalog Number: 17038-1-AP

26 Publications



Basic Information

Catalog Number:

17038-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10552

GenBank Accession Number:

BC013615

GeneID (NCBI):

3576

ENSEMBL Gene ID:

ENSG00000169429

UNIPROT ID:

P10145

Full Name:

interleukin 8

Calculated MW:

99 aa, 11 kDa

Observed MW:

11 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, ELISA

Species Specificity:

human

Cited Species:

human, bovine

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 : PMA, LPS and Brefeldin A treated THP-1 cells,

IHC : human tonsillitis tissue, human pancreas cancer tissue

IF/ICC : PMA, LPS and Brefeldin A treated THP-1 cells,

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	WB

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:

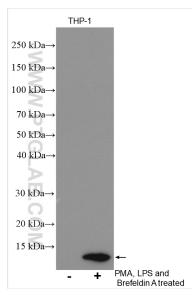
T: 4006900926

E: Proteintech-CN@ptglab.com

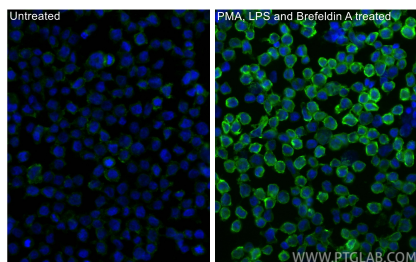
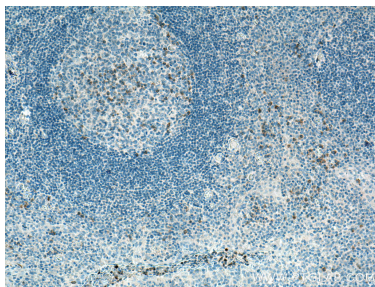
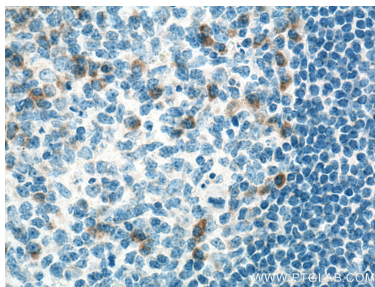
W: ptgcn.com

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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.



Immunofluorescent analysis of (4% PFA) fixed PMA, LPS and Brefeldin A treated THP-1 cells using CXCL8/IL-8 antibody (17038-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).