

For Research Use Only

CXCL8/IL-8 Recombinant antibody, PBS Only

Catalog Number: 83903-4-PBS



Basic Information

Catalog Number: 83903-4-PBS	GenBank Accession Number: BC013615	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 3576	CloneNo.: 240889C4
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, IF/ICC, ELISA

Species Specificity:
human

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

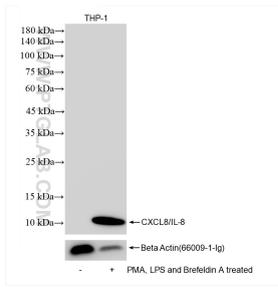
T: 4006900926

E: Proteintech-CN@ptglab.com

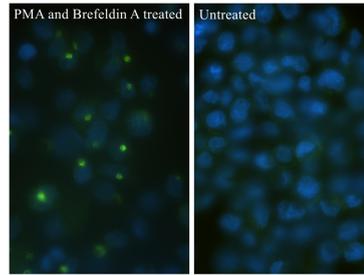
W: ptgcn.com

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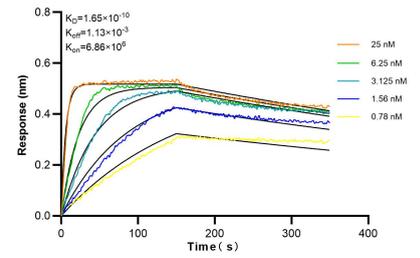
Selected Validation Data



PMA, LPS and Brefeldin A treated THP-1 cells were subjected to SDS PAGE followed by western blot with 83903-4-RR (CXCL8,IL8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83903-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed PMA and Brefeldin A treated THP-1 cells using CXCL8/IL-8 antibody (83903-4-RR, Clone: 240889C4) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83903-4-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 83903-4-RR against Human CXCL8/IL-8 were performed. The affinity constant is 0.165 nM.