

For Research Use Only

CXCL8/IL-8 Monoclonal antibody, PBS Only (Detector)

Catalog Number: 60141-2-PBS



Basic Information

Catalog Number: 60141-2-PBS	GenBank Accession Number: BC013615	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 3576	CloneNo.: 3D11D5
Source: Mouse	ENSEMBL Gene ID: ENSG00000169429	
Isotype: IgG2a	UNIPROT ID: P10145	
Immunogen Catalog Number: AG10552	Full Name: interleukin 8	
	Calculated MW: 99 aa, 11 kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

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. 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:

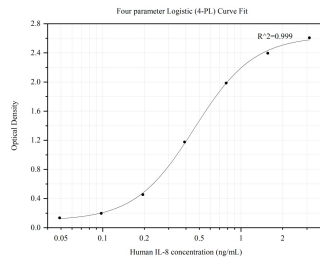
T: 4006900926

E: Proteintech-CN@ptglab.com

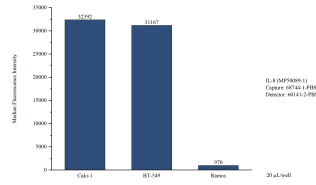
W: ptgcn.com

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Selected Validation Data



Sandwich ELISA standard curve of MP50089-1, CXCL8/IL-8 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68744-1-PBS. Detection antibody: HRP-conjugated 60141-2-PBS. Standard: HZ-1318. Range: 0.049-3.125 ng/mL.



Cytometric bead array of cell line supernatant using MP50089-1, CXCL8/IL-8 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68744-1-PBS. Detection antibody: 60141-2-PBS. Supernatant (20 μ L/well) from the following cell lines were assayed: Caki-1, BT-549, Ramos.