

CXCL8/IL-8 Monoclonal antibody

Catalog Number: 60141-2-Ig 6 Publications

Basic Information

Catalog Number: 60141-2-Ig	GenBank Accession Number: BC013615	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	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:
ELISA

Cited Applications:
WB, IHC, ELISA

Species Specificity:
human

Cited Species:
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).

Notable Publications

Author	Pubmed ID	Journal	Application
Qixia Xu	31493351	Aging Cell	WB
Changxu Wang	36202915	Oncogene	WB
Sen Wang	28745433	Cancer Med	IHC

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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