

For Research Use Only



CoraLite® Plus 647 Anti-Human CXCL8/IL-8 Rabbit Recombinant Antibody

Catalog Number: **CL647-98137**

Basic Information

Catalog Number: CL647-98137	GenBank Accession Number: BC013615	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 3576	CloneNo.: 240889B2
Source: Rabbit	ENSEMBL Gene ID: ENSG00000169429	Recommended Dilutions: FC (Intra): 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	UNIPROT ID: P10145	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG0152	Full Name: interleukin 8	
	Calculated MW: 99 aa, 11 kDa	

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra) : IFN gamma, LPS and Brefeldin A treated human PBMCs,
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.

Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

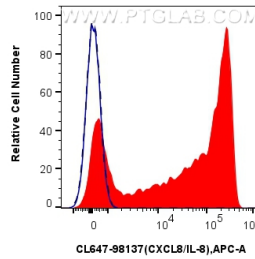
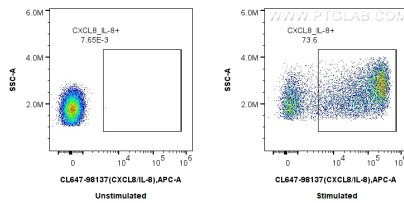
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Selected Validation Data



1x10⁶ untreated or IFN gamma, LPS and Brefeldin A treated human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 647 Anti-Human CXCL8/IL-8 Rabbit RecAb (CL647-98137, Clone: 240889B2). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).

1x10⁶ IFN gamma, LPS and Brefeldin A treated human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 647 Anti-Human CXCL8/IL-8 Rabbit RecAb (CL647-98137, Clone: 240889B2) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 647 Anti-Human CXCL8/IL-8 Rabbit RecAb (CL647-98137, Clone:

