

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

Size:

100tests , 5 ul/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0152

GenBank Accession Number:

BC013615

GeneID (NCBI):

3576

ENSEMBL Gene ID:

ENSG00000169429

UNIPROT ID:

P10145

Full Name:

interleukin 8

Calculated MW:

99 aa, 11 kDa

Purification Method:

Protein A purification

CloneNo.:

240889B2

Recommended Dilutions:

FC (Intra): 5 ul per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra) : IFN gamma, LPS and Brefeldin A treated human PBMCs,

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

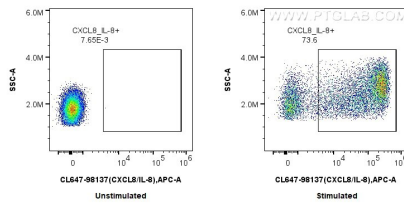
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

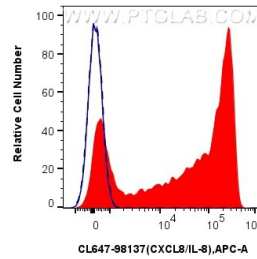
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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:

