

For Research Use Only

Anti-Human CXCL4/PF4 Rabbit Recombinant Antibody

Catalog Number: 98410-3-RR



Basic Information

Catalog Number:

98410-3-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2129

GenBank Accession Number:

NM_002619.4

GeneID (NCBI):

5196

UNIPROT ID:

P02776

Full Name:

platelet factor 4

Calculated MW:

11 kDa

Purification Method:

Protein A purification

CloneNo.:

243087B12

Recommended Dilutions:

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra): human PBMCs,

Background Information

CXCL4, also known as platelet factor 4 (PF-4), is the oldest member of the chemokine family. CXCL4 is a chemokine produced by activated platelets and immune cells involved in pathological conditions such as cancer, infections and inflammatory diseases like systemic sclerosis (SSc), rheumatoid arthritis (RA) and psoriatic arthritis (PsA), among others. CXCL4 is present in the α-granules of platelets in amounts that constitute up to 2% platelet protein mass. CXCL4 plays a determinant role in distinct physiological processes such as in hematopoiesis, angiogenesis, coagulation and modulation of immune responses. For instance, CXCL4 can prevent monocyte apoptosis and promote cell survival, induces the production of TNF and reactive oxygen species (ROS) and promotes monocyte differentiation into a unique macrophage-like phenotype.

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

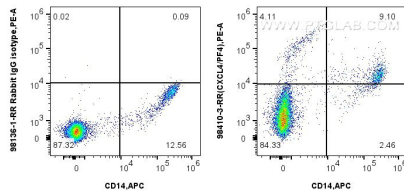
For technical support and original validation data for this product please contact:

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

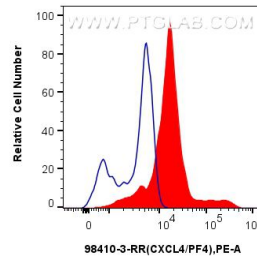
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were intracellularly stained with 0.25 ug Anti-Human CXCL4/PF4 Rabbit RecAb (98410-3-RR, Clone: 243087B12) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Human CD14. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1x10⁶ human PBMCs were intracellularly stained with 0.25 ug Anti-Human CXCL4/PF4 Rabbit RecAb (98410-3-RR, Clone: 243087B12) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). Monocytes were gated.