

For Research Use Only

# Anti-Human CXCL4/PF4 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98410-3-PBS



## Basic Information

Catalog Number:	98410-3-PBS	GenBank Accession Number:	NM_002619.4	Purification Method:	Protein A purification
Size:	1mg, 2 mg/ml	GeneID (NCBI):	5196	CloneNo.:	243087B12
Source:	Rabbit	UNIPROT ID:	P02776		
Isotype:	IgG	Full Name:	platelet factor 4		
Immunogen Catalog Number:	EG2129	Calculated MW:	11 kDa		

## Applications

Tested Applications:  
FC (Intra)  
Species Specificity:  
human

## 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  $\alpha$ -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.

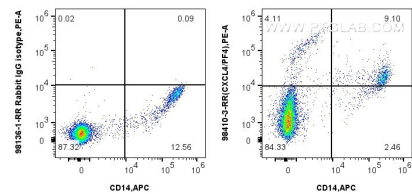
## Storage

Storage:  
Store at -80°C.  
Storage Buffer:  
PBS only, pH7.3

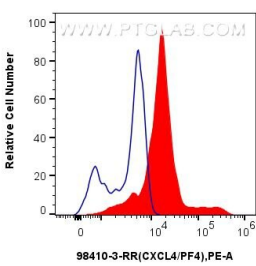
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Selected Validation Data



1x10<sup>6</sup> 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). This data was developed using the same



1x10<sup>6</sup> 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. This data was developed using the same antibody clone

