

For Research Use Only



Anti-Mouse CXCL4/PF4 Rabbit Recombinant Antibody, PBS Only (Capture)

Catalog Number: 98397-2-PBS

Basic Information

Catalog Number:	98397-2-PBS	GenBank Accession Number:	NM_019932	Purification Method:	Protein A purification
Size:	1mg, 2 mg/ml	GeneID (NCBI):	56744	CloneNo.:	242741F10
Source:	Rabbit	UNIPROT ID:	Q9Z126		
Isotype:	IgG	Full Name:	platelet factor 4		
Immunogen Catalog Number:	EG3345	Calculated MW:	11kd		

Applications

Tested Applications:
FC (Intra), Cytometric bead array, Indirect ELISA

Species Specificity:
mouse

Product Information

98397-2-PBS targets CXCL4/PF4 as part of a matched antibody pair:

MP02069-2: 98397-2-PBS capture and 85738-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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

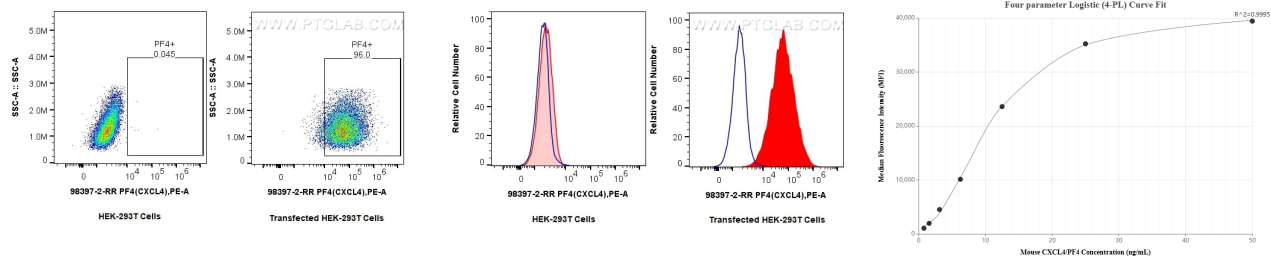
Storage:
Store at -80°C.

Storage Buffer:
PBS only, 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 HEK-293T cells or CXCL4/PF4 transfected HEK-293T cells were intracellularly stained with 0.25 ug Anti-Mouse PF4 Rabbit RecAb (98397-2-RR, Clone: 242741F10) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 98397-2-PBS in a different storage buffer formulation.

1x10⁶ HEK-293T cells (left) or CXCL4/PF4 transfected HEK-293T cells (right) were intracellularly stained with 0.25 ug Anti-Mouse PF4 Rabbit RecAb (98397-2-RR, Clone: 242741F10) (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. This data was developed using the same antibody clone

Cytometric bead array standard curve of MP02069-2, MOUSE CXCL4/PF4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 98397-2-PBS. Detection antibody: 85738-2-PBS. Standard: Eg3345. Range: 0.781-50 ng/mL