

For Research Use Only

CXCL4/PF4 Recombinant antibody

Catalog Number: 85738-1-RR



Basic Information

Catalog Number:	85738-1-RR	GenBank Accession Number:	NM_019932	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	56744	CloneNo.:	242741H5
Source:	Rabbit	UNIPROT ID:	Q9Z126	Recommended Dilutions:	WB 1:5000-1:50000
Isotype:	IgG	Full Name:	platelet factor 4		
Immunogen Catalog Number:	EG3345	Calculated MW:	11kd		
		Observed MW:	10-14 kDa		

Applications

Tested Applications:	WB, ELISA	Positive Controls:
Species Specificity:	human, mouse, rat	WB: mouse serum, human peripheral blood platelets, mouse spleen tissue, rat plasma, rat spleen tissue

Background Information

The chemokine (C-X-C motif) ligand 4 (CXCL4) is also named as PF4 (Platelet factor-4) and SCYB4. The platelets, the most abundant source of CXCL4 in vivo, control profibrotic macrophage activation via CXCL4. (PMID: 36807143). Exogenous CXCL4 drove profibrotic activation of monocyte-derived dendritic cells in vitro (PMID: 33042127). Platelet factor-4 is a 70-amino acid protein that is released from the alpha-granules of activated platelets and binds with high affinity to heparin. Its major physiologic role appears to be neutralization of heparin-like molecules on the endothelial surface of blood vessels, thereby inhibiting local antithrombin III activity and promoting coagulation.

Storage

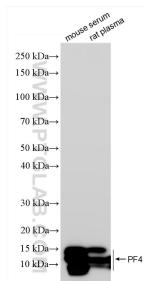
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

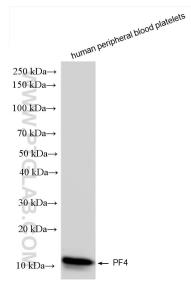
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85738-1-RR (CXCL4/PF4 antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 85738-1-RR (PF4 antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.