

For Research Use Only

Mouse CXCL4/PF4 Recombinant antibody, PBS Only (Capture)

Catalog Number: 85738-1-PBS



Basic Information

Catalog Number:	85738-1-PBS	GenBank Accession Number:	NM_019932	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GenID (NCBI):	56744	CloneNo.:	242741H5
Source:	Rabbit	UNIPROT ID:	Q9Z126		
Isotype:	IgG	Full Name:	platelet factor 4		
Immunogen Catalog Number:	EG3345	Calculated MW:	11kd		
		Observed MW:	10-14 kDa		

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

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

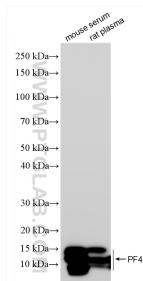
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com

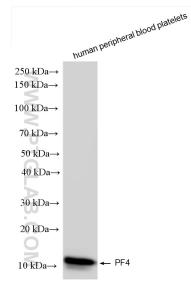
W: ptgcn.com

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

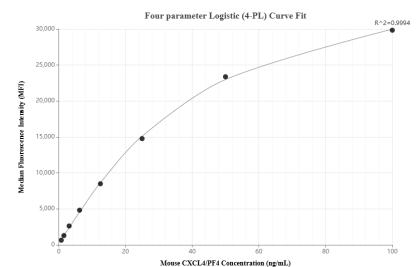
Selected Validation Data



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. This data was developed using the same antibody clone with 85738-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 85738-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP02069-1, MOUSE CXCL4/PF4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85738-1-PBS. Detection antibody: 85738-2-PBS. Standard: Eg3345. Range: 0.781-100 ng/mL.