

For Research Use Only

CXCL4/PF4 Recombinant antibody

Catalog Number: 85738-1-RR



Basic Information

Catalog Number:

85738-1-RR

Size:

100ul , Concentration: 1000 µg/ml by

Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3345

GenBank Accession Number:

NM_019932

GeneID (NCBI):

56744

UNIPROT ID:

Q9Z126

Full Name:

platelet factor 4

Calculated MW:

11kd

Observed MW:

10-14 kDa

Purification Method:

Protein A purification

CloneNo.:

242741H5

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

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

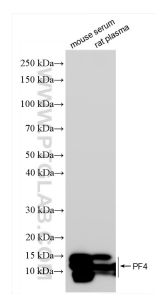
For technical support and original validation data for this product please contact:

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

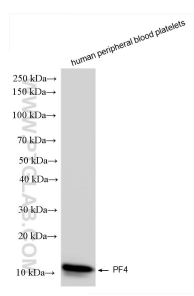
E: proteintech@ptglab.com
W: ptglab.com

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 (CXC4/PF4 antibody) at dilution of 1:10000 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 1:10000 incubated at room temperature for 1.5 hours.