

For Research Use Only

CXCL4/PF4 Recombinant antibody

Catalog Number: 85738-1-RR



Basic Information

Catalog Number:

85738-1-RR

Concentration:

1000 µg/ml

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

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

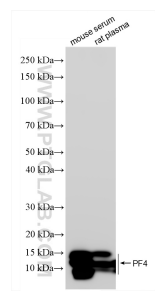
T: 4006900926

E: Proteintech-CN@ptglab.com

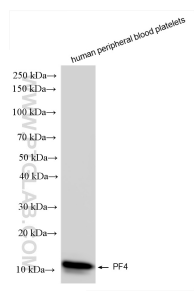
W: ptgcn.com

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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.