

For Research Use Only

CXCL4/PF4 Polyclonal antibody, PBS Only

Catalog Number: 21157-1-PBS



Basic Information

Catalog Number:

21157-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12345

GenBank Accession Number:

BC093965

GeneID (NCBI):

5196

UNIPROT ID:

P02776

Full Name:

platelet factor 4

Calculated MW:

101 aa, 11 kDa

Observed MW:

10 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse, pig

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:

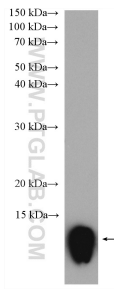
T: 4006900926

E: Proteintech-CN@ptglab.com

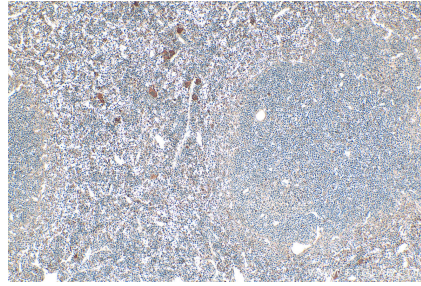
W: ptgcn.com

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

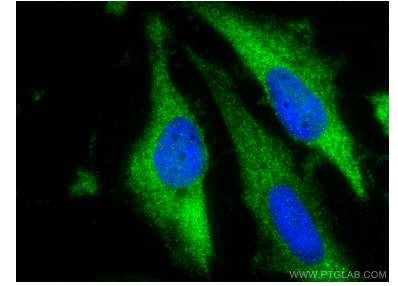
Selected Validation Data



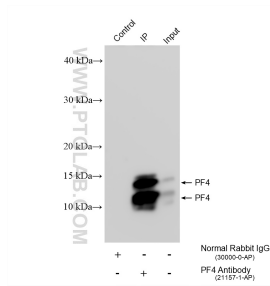
Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 21157-1-AP (PF4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 21157-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 21157-1-AP (CXCL4/PF4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21157-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using PF4 antibody (21157-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 21157-1-PBS in a different storage buffer formulation.



IP result of anti-CXCL4/PF4 (IP:21157-1-AP, 4 μ g; Detection:21157-1-AP 1:1000) with mouse serum lysate 2200 μ g. This data was developed using the same antibody clone with 21157-1-PBS in a different storage buffer formulation.