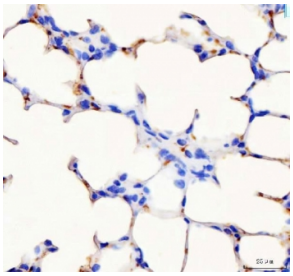
Pf4 Antibody / Platelet factor 4 (R32449)

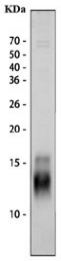
Catalog No.	Formulation	Size
R32449	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9Z126
Localization	Cytoplasmic, membranous
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 1-2ug/ml ELISA: 0.1-0.5ug/ml (mouse protein tested); request BSA-free format for coating
Limitations	This Pf4 antibody is available for research use only.



IHC staining of FFPE mouse lung tissue with Pf4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of mouse spleen tissue lysate with Pf4 antibody. Expected molecular weight: ~8/16/32 kDa (monomer/dimer/tetramer).

Description

Pf4 antibody detects Platelet factor 4, a small cytokine belonging to the CXC chemokine family that is also known as chemokine (C-X-C motif) ligand 4 (CXCL4). By in situ hybridization, the CXCL4 gene is mapped to chromosome 4q12-q21. 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. As a strong chemoattractant for neutrophils and fibroblasts, PF4 probably has a role in inflammation and wound repair.

PF4 Antibody detects a platelet alpha granule protein involved in platelet activation, chemokine release and immune signaling; additional platelet biology research tools are available on our PF4 Antibody / Platelet Activation Marker Antibody page.

Application Notes

Optimal dilution of the Pf4 antibody should be determined by the researcher.

Immunogen

Amino acids V30-S105 from the mouse protein were used as the immunogen for the Pf4 antibody.

Storage

Prior to reconstitution, store at 4oC. After reconstitution, the Pf4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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