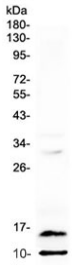
Pf4 Antibody / Platelet factor 4 (RQ4050)

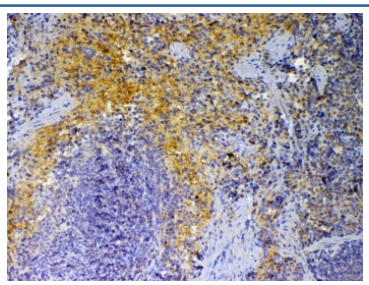
Catalog No.	Formulation	Size
RQ4050	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

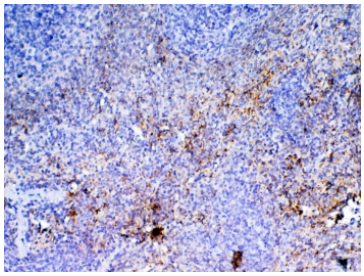
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P06765
Localization	Secreted
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Pf4 antibody is available for research use only.



Western blot testing of rat spleen lysate with Pf4 antibody at 0.5ug/ml. Expected molecular weight: ~8/16/32 kDa (monomer/dimer/tetramer).



IHC testing of FFPE mouse spleen tissue with Pf4 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat spleen tissue with Pf4 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Description

Platelet factor 4 (PF4) is 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.

Application Notes

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

Immunogen

A recombinant rat partial protein corresponding to amino acids V30-S105 was used as the immunogen for the Pf4 antibody.

Storage

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.