

PF4 Rabbit mAb
Catalog # AP76654**Specification**

PF4 Rabbit mAb - Product Information

Application	WB, IHC-P, IP
Primary Accession	P02776
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	10845

PF4 Rabbit mAb - Additional Information**Gene ID** 5196**Other Names**
PF4**Dilution**
WB~~1/500-1/1000
IHC-P~~N/A
IP~~1/20**Format**
Liquid**PF4 Rabbit mAb - Protein Information****Name** PF4**Synonyms** CXCL4, SCYB4**Function**

Chemokine released during platelet aggregation that plays a role in different biological processes including hematopoiesis, cell proliferation, differentiation, and activation (PubMed:29930254, PubMed:9531587). Acts via different functional receptors including CCR1, CXCR3A or CXCR3B (PubMed:18174362, PubMed:29930254). Upon interaction with CXCR3A receptor, induces activated T-lymphocytes migration mediated via downstream Ras/extracellular signal-regulated kinase (ERK) signaling (PubMed:18174362, PubMed:24469069). Neutralizes the anticoagulant effect of heparin by binding more strongly to heparin than to the chondroitin-4-sulfate chains of the carrier molecule. Plays a role in the inhibition of hematopoiesis and in the maintenance of hematopoietic stem cell (HSC) quiescence (PubMed:<a

[9531587](http://www.uniprot.org/citations/9531587)). Chemotactic for neutrophils and monocytes via CCR1 (PubMed:[29930254](http://www.uniprot.org/citations/29930254)). Inhibits endothelial cell proliferation. In cooperation with toll-like receptor 8/TLR8, induces chromatin remodeling and activates inflammatory gene expression via the TBK1-IRF5 axis (PubMed:[35701499](http://www.uniprot.org/citations/35701499)). In addition, induces myofibroblast differentiation and collagen synthesis in different precursor cells, including endothelial cells, by stimulating endothelial-to-mesenchymal transition (PubMed:[34986347](http://www.uniprot.org/citations/34986347)). Interacts with thrombomodulin/THBD to enhance the activation of protein C and thus potentiates its anticoagulant activity (PubMed:[9395524](http://www.uniprot.org/citations/9395524)).

Cellular Location

Secreted.

PF4 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PF4 Rabbit mAb - Images



