

ARG56750 anti-CXCL4 / PF4 antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes CXCL4 / PF4
Tested Reactivity	Hu, Ms
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CXCL4 / PF4
Species	Human
Immunogen	E.coli derived Recombinant Human PF4 (CXCL4). (EAEEDGDLQC LCVKTTTSQVR PRHITSLEVI KAGPHCPTAQ LIATLKNGRK ICLDLQAPLY KKIHKLLLES)
Conjugation	Biotin
Alternate Names	Platelet factor 4; Iroplact; CXCL4; C-X-C motif chemokine 4; Oncostatin-A; SCYB4; PF-4

Application Instructions

Application table	Application	Dilution
	ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG56640 as a capture antibody
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links [GeneID: 5196 Human](#)
[GeneID: 56744 Mouse](#)
[Swiss-port # P02776 Human](#)
[Swiss-port # Q9Z126 Mouse](#)

Gene Symbol PF4

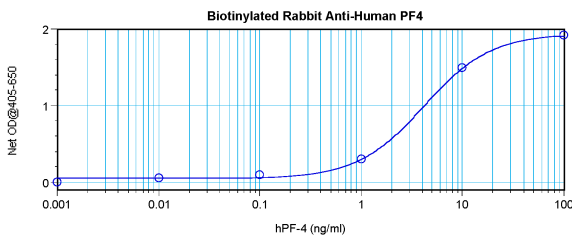
Gene Full Name platelet factor 4

Background This gene encodes a member of the CXC chemokine family. This chemokine is released from the alpha granules of activated platelets in the form of a homotetramer which has high affinity for heparin and is involved in platelet aggregation. This protein is chemotactic for numerous other cell type and also functions as an inhibitor of hematopoiesis, angiogenesis and T-cell function. The protein also exhibits antimicrobial activity against *Plasmodium falciparum*. [provided by RefSeq, Oct 2014]

Function Released during platelet aggregation. Neutralizes the anticoagulant effect of heparin because it binds more strongly to heparin than to the chondroitin-4-sulfate chains of the carrier molecule. Chemotactic for neutrophils and monocytes. Inhibits endothelial cell proliferation, the short form is a more potent inhibitor than the longer form. [UniProt]

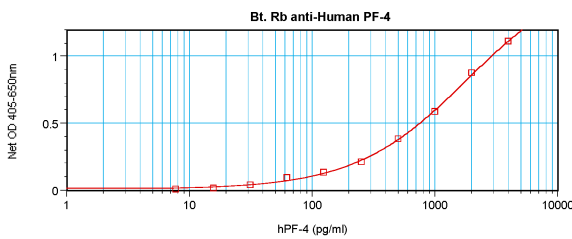
Calculated Mw 11 kDa

Images



ARG56750 anti-CXCL4 / PF4 antibody (Biotin) standard curve image

Direct ELISA: ARG56750 anti-CXCL4 / PF4 antibody (Biotin) at 0.25 - 1.0 $\mu\text{g/ml}$ results of a typical standard run with optical density.



ARG56750 anti-CXCL4 / PF4 antibody (Biotin) standard curve image

Sandwich ELISA: ARG56750 anti-CXCL4 / PF4 antibody (Biotin) as a detection antibody at 0.25 - 1.0 $\mu\text{g/ml}$ combined with ARG56640 anti-CXCL4 / PF4 antibody as a capture antibody. Results of a typical standard run with optical density.