

ARG56640 anti-CXCL4 / PF4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CXCL4 / PF4
Tested Reactivity	Hu, Ms
Tested Application	ELISA, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CXCL4 / PF4
Species	Human
Immunogen	E.coli derived Recombinant Human PF-4 (CXCL4). (EAEEDGDLQC LCVKTTSQVR PRHITSLEVI KAGPHCPTAQ LIATLKNGRK ICLDLQAPLY KKIKKLLES)
Conjugation	Un-conjugated
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	Sandwich: 0.5 - 2.0 µg/ml with ARG56750 as a detection antibody
	IHC-P	1.0 µg/ml - 2.0 µg/ml
	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	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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]

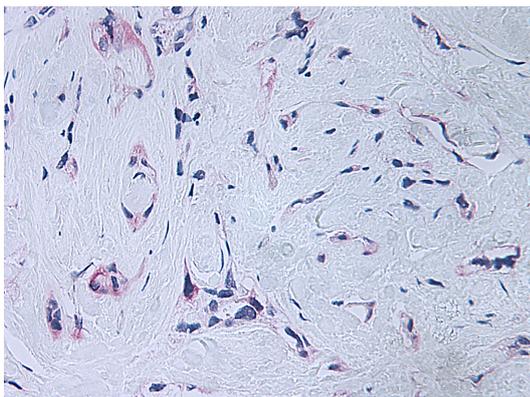
Function

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

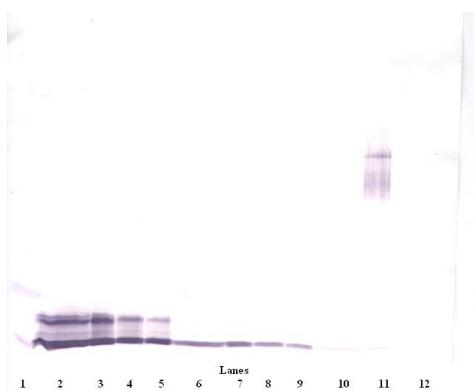
11 kDa

Images



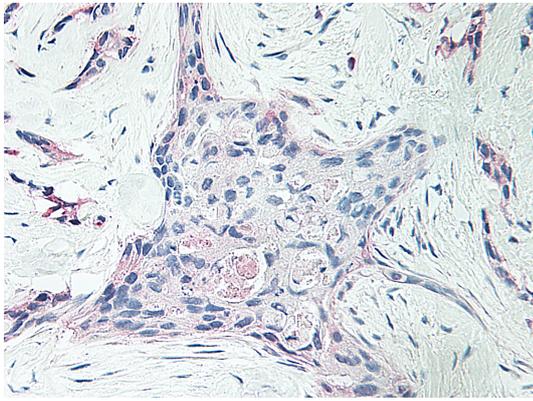
ARG56640 anti-CXCL4 / PF4 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human breast malignant ductal adenocarcinoma. The recommended ARG56640 anti-CXCL4 / PF4 antibody concentration is 1.0 µg/mL - 2.0 µg/mL with an overnight incubation at 4°C. An alkaline phosphatase-labeled polymer detection system was used with a red chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.



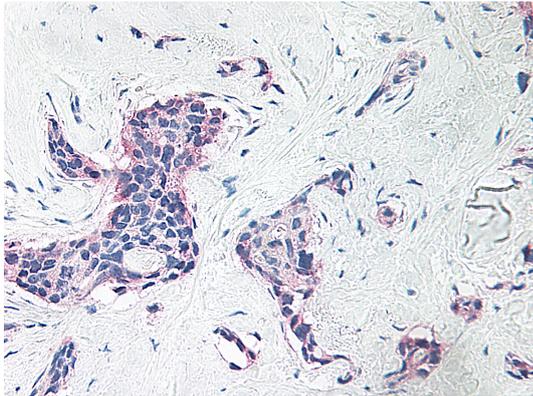
ARG56640 anti-CXCL4 / PF4 antibody WB image

Western blot: 250 - 0.24 ng of Human PF-4 stained with ARG56640 anti-CXCL4 / PF4 antibody, under reducing conditions.



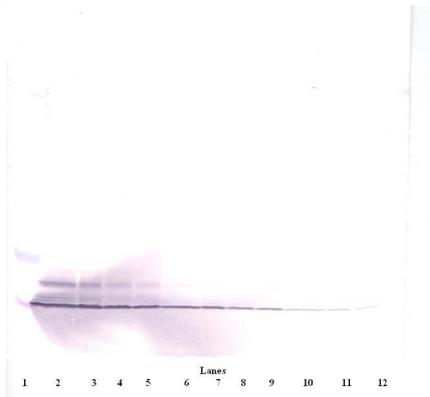
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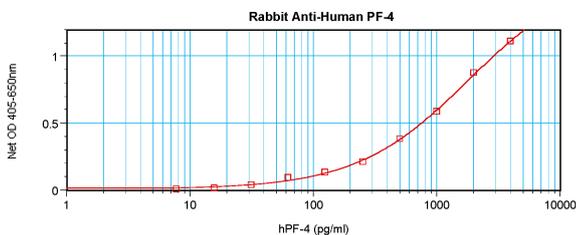
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ARG56640 anti-CXCL4 / PF4 antibody WB image

Western blot: 250 - 0.24 ng of Human PF-4 stained with ARG56640 anti-CXCL4 / PF4 antibody, under non-reducing conditions.



ARG56640 anti-CXCL4 / PF4 antibody standard curve image

Sandwich ELISA: ARG56640 anti-CXCL4 / PF4 antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG56750 anti-CXCL4 / PF4 antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.