

## ARG43362 anti-CXCL4 / PF4 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes CXCL4 / PF4
Tested Reactivity	Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CXCL4 / PF4
Species	Rat
Immunogen	Recombinant protein corresponding to V30-S105 of Rat CXCL4 / PF4.
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
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat spleen	
Observed Size	~ 11 kDa	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 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**

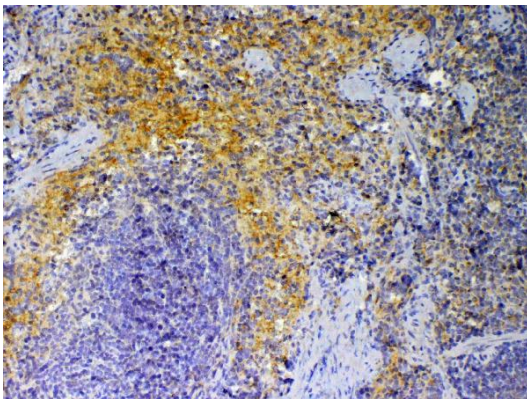
For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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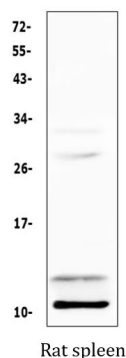
Gene Symbol	PF4
Gene Full Name	platelet factor 4
Background	This gene encodes a member of the CXC chemokine family. This chemokine is released from the alpha granules of activated platelets in the form of a homotetramer which has high affinity for heparin and is involved in platelet aggregation. This 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
Cellular Localization	Secreted. [UniProt]

## Images



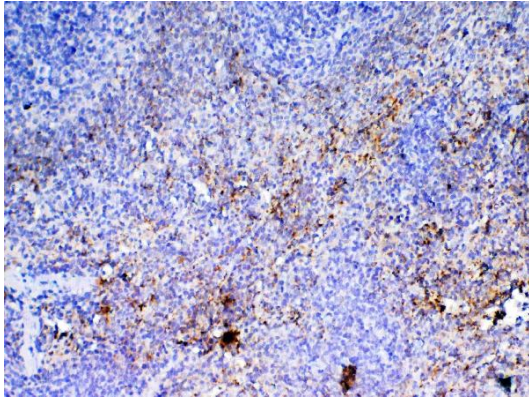
ARG43362 anti-CXCL4 / PF4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse spleen tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43362 anti-CXCL4 / PF4 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG43362 anti-CXCL4 / PF4 antibody WB image

Western blot: 50 µg of sample under reducing conditions. Rat spleen lysate stained with ARG43362 anti-CXCL4 / PF4 antibody at 0.5 µg/ml dilution, overnight at 4°C.



#### ARG43362 anti-CXCL4 / PF4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat spleen tissue.  
Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43362 anti-CXCL4 / PF4 antibody at 1 µg/ml dilution, overnight at 4°C.