



PF-4 Monoclonal Antibody

Catalog No	YP-mAb-10726
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PF4 CXCL4 SCYB4
Immunogen	Synthetic peptide from human protein at AA range: 51-100
Specificity	The antibody detects endogenous PF-4
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CXCL4;PF4;SCYB4;C X C motif chemokine 4;C-X-C motif chemokine 4;PF-4; PF4 CXCL4 SCYB4;Platelet factor 4 (PF-4) (C-X-C motif chemokine 4) (Iroplact) (Oncostatin-A) [Cleaved into: Platelet factor 4;short form];Platelet factor 4 (PF-4; Iroplact;Oncostatin-A) [Cleaved into: Platelet factor 4; short form]
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Secreted .
Tissue Specificity	Leukocyte,
Function	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.,mass spectrometry: PubMed:7644496, mass spectrometry:Short form PubMed:7644496,online information:CXCL4 entry,PTM:Binds non-covalently to a proteoglycan molecule.,similarity:Belongs to the intercrine alpha (chemokine CxC) family.,subunit:Homotetramer.,



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],

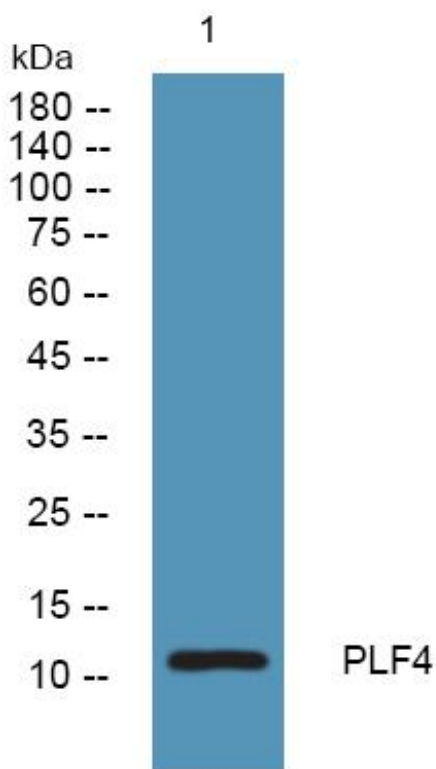
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PF-4 Monoclonal Antibody