

RecomAb™

PF4 recombinant monoclonal antibody, clone R02-1E3

Catalog # RAB04471 Size 100 uL

Applications



Western Blot

Western blot analysis of rat spleen tissue with PF4 recombinant monoclonal antibody, clone R02-1E3 (Cat # RAB04471).



Western Blot

Western blot analysis of Lane 1: A549 whole cell lysate and Lane 2: HL-60 whole cell lysate with PF4 recombinant monoclonal antibody, clone R02-1E3 (Cat # RAB04471).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PF4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PF4.
Theoretical MW (kDa)	Calculated MW: 11 kD
Reactivity	Human, Rat
Form	Liquid

Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, 150mM NaCl, pH 7.4 (40% glycerol, 0.05% BSA and 0.01% Sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of rat spleen tissue with PF4 recombinant monoclonal antibody, clone R02-1E3 (Cat # RAB04471).

- Western Blot

Western blot analysis of Lane 1: A549 whole cell lysate and Lane 2: HL-60 whole cell lysate with PF4 recombinant monoclonal antibody, clone R02-1E3 (Cat # RAB04471).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunoprecipitation

Gene Info — PF4

Entrez GeneID	5196
Protein Accession#	P02776
Gene Name	PF4
Gene Alias	CXCL4, MGC138298, SCYB4
Gene Description	platelet factor 4
Omim ID	173460

Gene Ontology

[Hyperlink](#)

Gene Summary

Platelet factor-4 is a 70-amino acid protein that is released from the alpha-granules of activated platelets and binds with high affinity to heparin. Its major physiologic role appears to be neutralization of heparin-like molecules on the endothelial surface of blood vessels, thereby inhibiting local anti-thrombin III activity and promoting coagulation. As a strong chemoattractant for neutrophils and fibroblasts, PF4 probably has a role in inflammation and wound repair (Eisman et al., 1990 [PubMed 1695112]).[supplied by OMIM]

Other Designations

chemokine (C-X-C motif) ligand 4|platelet factor 4 (chemokine (C-X-C motif) ligand 4)

Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Respiratory Syncytial Virus Infections](#)