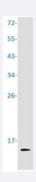


RecomAb™

PF4 recombinant monoclonal antibody, clone R02-1E3

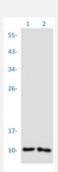
Catalog # RAB04471 Size 100 uL

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



Product Information

Affinity chromatography
lgG
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.
In 50mM Tris-Glycine, 150mM NaCl, pH 7.4 (40% glycerol, 0.05% BSA and 0.01% Sodium azide)
Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.
This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul
d 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 GenelD	<u>5196</u>
Protein Accession#	<u>P02776</u>
Gene Name	PF4
Gene Alias	CXCL4, MGC138298, SCYB4
Gene Description	platelet factor 4
Omim ID	<u>173460</u>



Product Information

Gene Ontology	<u>Hyperlink</u>
Gene Summary	Platelet factor-4 is a 70-amino acid protein that is released from the alpha-granules of activated pl atelets 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 antithrombin III activity and promoting coagulation. As a strong chemoattractant for neutrophils and fib roblasts, 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