



Anti-Human PF-4

20180926BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	102-P79
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant human PF 4 (human Platelet Factor-4). Anti-human PF 4 specific antibody was purified by affinity chromatography employing immobilized human PF 4 matrix.

Target Background

Synonyms (Target):	PF4; PF-4; CXCL4; SCYB4
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PF-4 is a CXC chemokine that is expressed in megakaryocytes and stored in the α -granules of platelets. PF-4 is chemotactic towards neutrophils and monocytes and has been shown to inhibit angiogenesis. Recombinant human PF-4 is a 7.8 kDa protein containing 70 amino acid residues, including the four highly conserved residues present in CXC chemokines.

Database References Target

Protein RefSeq:	NP_002610.1
Uniprot ID:	P02776
mRNA RefSeq:	NM_002619.2

Product Specifications

Species reactivity	Human
Clone/Ab feature	Rabbit IgG
Cross reactivity	Human
Host	Rabbit
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	Recombinant Human PF-4
Formulation	lyophilized from PBS
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

Sandwich ELISA: To detect human PF-4 by Sandwich ELISA (using 100 µl/well) a concentration of 0.5 – 2 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant human PF-4.

Western Blot: To detect human PF-4 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hPF-4 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

Immunohistochemistry: This antibody stained formalin-fixed, paraffin-embedded sections of human breast malignant ductal adenocarcinoma. The recommended concentration is 1.0 - 2.0 µg/mL with an overnight incubation at 4°C. An alkaline phosphatase-labeled polymer detection system was used with a red chromogen. Heat induced antigen retrieval with a pH 6.0 sodium citrate buffer is recommended. Optimal concentrations and conditions may vary.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!