

PF-4/CXCL4, murine recombinant

CATALOG #:	7187-10	10 µg
	7187-50	50 µg
ALTERNATE NAMES:	Platelet Factor-4, CXCL4, Oncostatin A, Ironplact	
SOURCE:	E. coli	
PURITY:	≥ 98% by SDS-PAGE gel and HPLC analyses	
MOL. WEIGHT:	10.3 kDa	
ENDOTOXIN LEVEL:	< 0.1 ng/µg of protein (<1EU/µg).	
FORM:	Lyophilized	
FORMULATION:	Sterile filtered through a 0.2 micron filter. Lyophilized with no additives	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

DESCRIPTION:

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 murine PF-4 is an 8.2 kDa protein containing 76 amino acid residues, including the four highly conserved residues present in CXC chemokines.

AMINO ACID SEQUENCE:

VTSAGPEESD GDLSCVCVKI ISSGIHLKHI TSLEVIKAGR HCAVPQLIAT LKNGRKICLD
RQAPLYKKVI KKILES

BIOLOGICAL ACTIVITY:

Determined by its ability to chemoattract human neutrophils using a concentration range of 10.0-100.0 ng/ml.

RELATED PRODUCTS:

- MIG/CXCL9, murine recombinant (**Cat. No. 7172-10, -50**)
- CXCL16, mouse recombinant (**Cat. No. 4353-25, -1000**)
- CXCL16, human recombinant (**Cat. No. 7130-10, -50**)
- CXCL10/IP-10/CRG-2, human recombinant (**Cat. No. 4277-10, -50, -1000**)
- CXCL14/BRAK, human recombinant (**Cat. No. 4278-10, -50, -1000**)
- CTGF, human recombinant (**Cat. No. 4702-20, -100, -1000**)
- CTGF Antibody (**Cat. No. 5553R-100**)

FOR RESEARCH USE ONLY! Not to be used in humans.