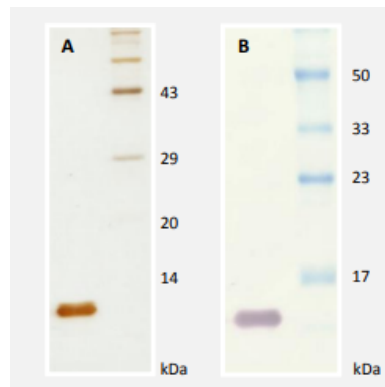


PF4

Native Human Platelet Factor 4, Biotin-labeled

Catalog No.	CRP142A	Quantity:	100 µg
	CRP142B		200 µg
	CRP142C		1.0 mg
Alternate Names:	Platelet factor 4, PF-4, C-X-C motif chemokine 4, Iroplact, Oncostatin-A		
Description:	<p>Platelet Factor 4 is synthesized in megakaryocytes and platelets. Depending on the protein concentration and buffer conditions, PF4 appears as a mono-, di-, tri-, or tetramer. PF4 is biologically active in the tetrameric form, promotes blood coagulation and is also important in wound healing and inflammation. PF4, together with heparin (PF4-heparin complex) is an important antigen of antibodies inducing heparin-induced thrombocytopenia (HIT).</p> <p>Purified PF4 is used in several immunoassays for the detection of HIT antibodies. Labeling of PF4 with Biotin-XX, SSE (14-atom spacer improves binding of antibodies, avidin and streptavidin) enables effective detection of PF4 in these assays.</p>		
UniProt ID:	P02776		
Source:	Human platelets		
Conjugate:	Biotin-XX, SSE (with 14-atom spacer)		
Molecular Weight:	7.8 kDa (70 aa) monomer		
Formulation:	Lyophilized from sterile filtered PBS carrier free		
Purity:	> 98% as determined by SDS-PAGE silver staining		
Identity:	HIT-ELISA, Western blot, N-terminal sequencing, MALDI-TOF-MS		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to the vial to a concentration of 1.0 mg/ml. Mix gently and allow time for complete solubilization.		
Storage & Stability:	Store unopened at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare aliquots and store at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

SDS-PAGE & Western Blot



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com