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32-1978: Platelet factor-4 Native Protein

Alternative Name : CXCL4,PF-4,PF4,Iroplact,Oncostatin-A,SCYB4,MGC138298.

Description

Source : Human Platelets. Human PF-4 a 7.8 kDa protein consisting of 70 amino acid residues. 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 antithrombin III activity and promoting coagulation. As a strong chemoattractant for neutrophils and fibroblasts, PF4 probably has a role in inflammation and wound repair. Oncostatin-A is a member of the CXC chemokine family. Human PF4 is used for the proof of heparin-induced thrombocytopenia. Furthermore it is used as an inhibitor in the angiogenesis during tumor therapy.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The CXCL4 protein was lyophilized in PBS buffer pH-7.4.
Storage condition :	Human CXCL4 although stable at 25°C 1 week, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.
Amino Acid :	The sequence of the first four N-terminal amino acids was determined and was found to be Glu-Ala-Glu-Glu.

Application Note

It is recommended to reconstitute the lyophilized CXCL4 in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions.