



## Product Datasheet

<b>Product Name</b>	Human Platelet Factor-4 (CXCL4)
<b>Cata No</b>	CB500034
<b>Source</b>	<i>Human Platelets</i>
<b>Synonyms</b>	CXCL4, PF-4, PF4, Iroplact, Oncostatin-A, SCYB4, MGC138298.

### Description

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.

Human PF-4 a 7.8 kDa protein consisting of 70 amino acid residues.

### Physical Appearance

Sterile Filtered white lyophilized powder.

### Purity

Greater than 95.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Analysis by SDS-PAGE.

### Formulation

The CXCL4 protein was lyophilized in PBS buffer.

### Stability

Human CXCL4 although stable at 25°C 1 week, should be stored desiccated below -18°C.

**Please prevent freeze-thaw cycles.**

### Sequence

The sequence of the first four N-terminal amino acids was determined and was found to be Glu-Ala-Glu-Glu.