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Certificate of Analysis and Data Sheet Recombinant Mouse Platelet Factor-4 (CXCL4)

Catalog No.
228-11228

Source
Escherichia Coli

Synonyms

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

Introduction

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 chemocin 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.

Description

CXCL4 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 73 amino acids and having a molecular mass of 8.2 kDa.

Physical Appearance

Sterile Filtered white lyophilized powder.

Formulation

The Mouse CXCL4 protein was lyophilized from 1x PBS pH-7.4.

Stability

Mouse CXCL4 although stable at 25°C 1 week, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence

MGPEESD GDLSCVCVKT ISSGIHLKHI TSLEVIKAGR HCAVPQLIAT
LKNGRKICLD RQAPLYKKVI KKILES.

Purity

Greater than 95.0% as determined by SDS-PAGE.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**