Biotinylated Human CXCL4 Protein

Cat. No. CXC-HM4L4B

Description

Source	Recombinant Biotinylated Human CXCL4 Protein is expressed from E.coli with His tag and Avi tag at the N-Terminus.
	It contains Glu32-Ser101.
Accession	NP_002610.1
Molecular Weight	The protein has a predicted MW of 10.68 kDa. The protein migrates to 13 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

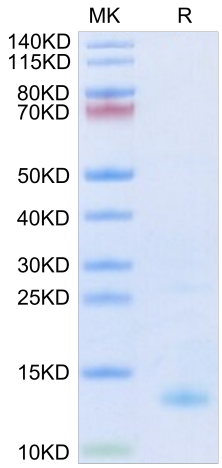
Formulation	Lyophilized from 0.22μm filtered solution in 4mM HCl (pH 3.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in 4mM HCl (pH 3.0).
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Chemokines regulate leukocyte migration during physiological and pathological conditions. It is currently accepted that these chemotactic cytokines are also important in the development and progression of cancer. CXCL4 and its non-allelic variant CXCL4L1 are two platelet-associated chemokines that have been attributed anti-tumoral activity as a result of their angiostatic potential and the chemotactic activity for anti-tumoral leukocytes.

Assay Data

Tris-Bis PAGE



Biotinylated Human CXCL4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

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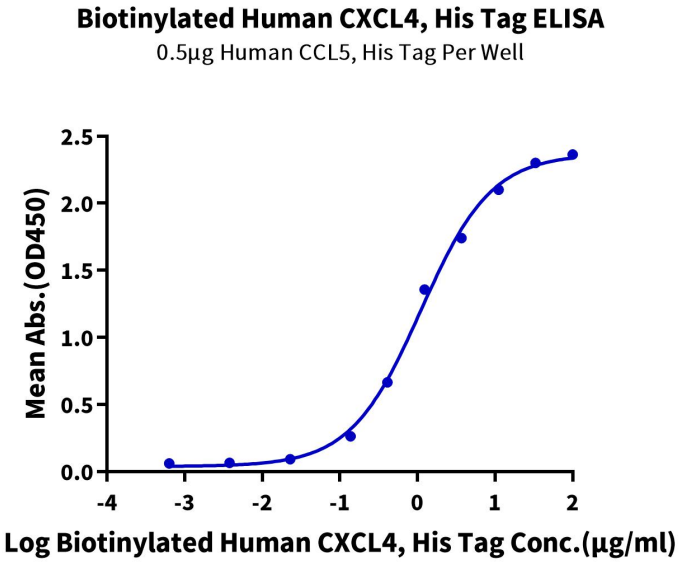
Assay Data



Immobilized Human CCL5, His Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human CXCL4, His Tag with the EC50 of 1.1μg/ml determined by ELISA.