

Human CXCR5 Protein-VLP

Cat. No. CXC-HM1R5



Description

Source	Recombinant Human CXCR5 Protein-VLP is expressed from HEK293.
	It contains Met1-Phe372 (It may have cross reaction with anti-His antibody).
Accession	P32302-1
Molecular Weight	The protein has a predicted MW of 54.90 kDa.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by HPLC

Formulation and Storage

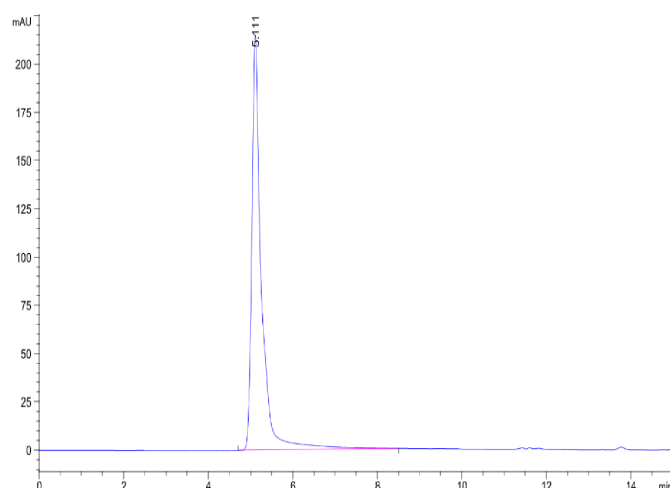
Formulation	Supplied as 0.22 µm filtered solution in PBS, 150mM L-Arginine (pH 7.4). Notice: If you need it for immunization, water-soluble adjuvant is recommended.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CXCR5 is a serpentine receptor implicated in cell migration in lymphocytes and differentiation in leukocytes. It causes MAPK pathway activation and has known membrane partners for signaling. CXCR5 is also expressed in HL-60 cells, a human acute myeloid leukemia line, following treatment with all-trans retinoic acid, which induces differentiation toward a neutrophil-like state. CXCR5 is necessary for this process; differentiation was crippled in CXCR5 knockout cells and enhanced in cells ectopically expressing it.

Assay Data

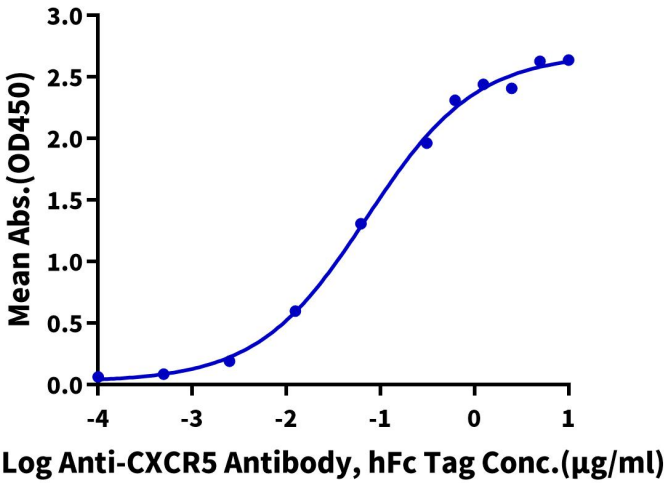
SEC-HPLC



The purity of Human CXCR5 VLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human CXCR5 VLP ELISA
0.5µg Human CXCR5 VLP Per Well



Immobilized Human CXCR5 VLP at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-CXCR5 Antibody, hFc Tag with the EC50 of 71.7ng/ml determined by ELISA (QC Test).