Human CXCR5 Protein-Nanodisc

Cat. No. CXR5-HM1N72

Description

Source	Recombinant Human CXCR5 Protein-Nanodisc is expressed from HEK293 with His tag at the C-terminus (FITC-equivalent protein is fused on cytoplasmic part).
	It contains Met1-Phe372.
Accession	P32302-1
Molecular Weight	The protein has a predicted MW of 43.3 kDa.
Endotoxin	Less than 1EU per μg by the LAL method.

Formulation and Storage

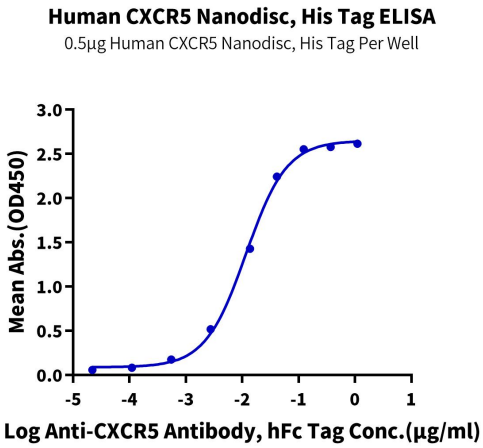
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4). Notice: Not recommended for immunization and flow cytometry in mammalian cells.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please 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

ELISA Data



Immobilized Human CXCR5 Nanodisc, His Tag at 5μg/ml(100μl/well) on the plate. Dose response curve for Anti-CXCR5 Antibody, hFc Tag with the EC50 of 11.7ng/ml determined by ELISA (QC Test).