

Biotinylated Human CXCR5 Protein-Nanodisc

Cat. No. CXC-HM1RNB

Description

Source	Recombinant Biotinylated Human CXCR5 Protein-Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Phe372.
Accession	P32302-1
Molecular Weight	The protein has a predicted MW of 54.9 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

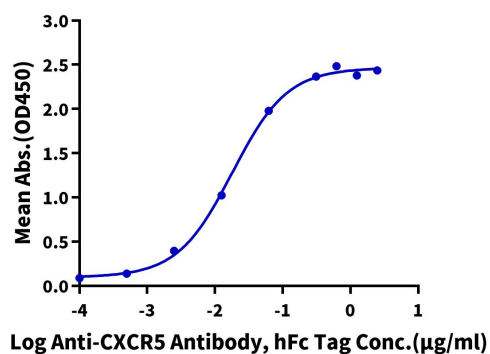
CXCR5 is a serpentine receptor implicated in cell migration in lymphocytes and differentiation in leukocytes. It causes MAPK pathway activation and has known membrane partners for signaling. CXCR5 is also expressed in HL-60 cells, a human acute myeloid leukemia line, following treatment with all-trans 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

Biotinylated Human CXCR5 Nanodisc, His Tag ELISA

0.5 μg Biotinylated Human CXCR5 Nanodisc, His Tag Per Well



Immobilized Biotinylated Human CXCR5 Nanodisc, His Tag at 5 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the streptavidin precoated plate (5 $\mu\text{g}/\text{ml}$). Dose response curve for Anti-CXCR5 Antibody, hFc Tag with the EC50 of 18.1ng/ml determined by ELISA (QC Test).