

# FITC-equivalent Human CXCR5 Protein-Nanodisc

Cat. No. CXR5-HM1N72

## Description

<b>Source</b>	Recombinant FITC-equivalent Human CXCR5 Protein-Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Phe372.
<b>Accession</b>	P32302-1
<b>Molecular Weight</b>	The protein has a predicted MW of 43.3 kDa.
<b>Wavelength</b>	Excitation Wavelength: 490 nm Emission Wavelength: 520 nm
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4). Notice: Not recommended for immunization.
<b>Storage</b>	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

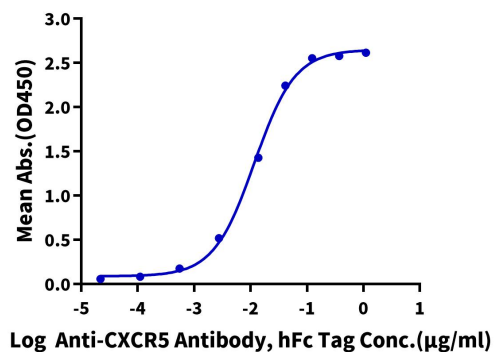
CXCR5 is a serpentine receptor implicated in cell migration in lymphocytes and differentiation in leukocytes. It causes MAPK pathway activation and has known membrane partners for signaling. CXCR5 is also expressed in HL-60 cells, a human acute myeloid leukemia line, following treatment with all-trans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

#### FITC-equivalent Human CXCR5, His Tag ELISA

0.5µg FITC-equivalent Human CXCR5, His Tag Per Well



Immobilized FITC-equivalent Human CXCR5, 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).