

# Biotinylated Human CCR5 Protein-Nanodisc

Cat. No. CR5-HM4N191B

## Description

Source	Recombinant Biotinylated Human CCR5 Protein-Nanodisc is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Met1-Leu352.
Accession	P51681
Molecular Weight	The protein has a predicted MW of 44.5 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.
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

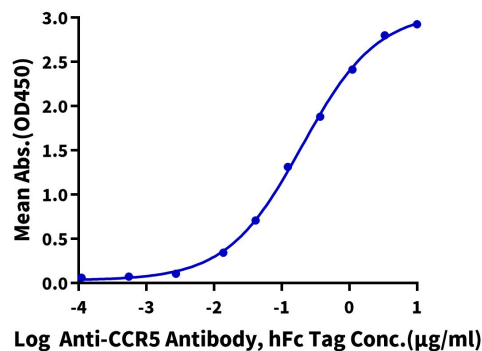
CC chemokine receptor 5 (CCR5) is a seven-transmembrane, G protein-coupled receptor (GPCR) which regulates trafficking and effector functions of memory/effector T-lymphocytes, macrophages, and immature dendritic cells. It also serves as the main coreceptor for the entry of R5 strains of human immunodeficiency virus (HIV-1, HIV-2). Chemokine binding to CCR5 leads to cellular activation through pertussis toxin-sensitive heterotrimeric G proteins as well as G protein-independent signalling pathways.

## Assay Data

### ELISA Data

#### Biotinylated Human CCR5 Nanodisc, His Tag ELISA

0.5µg Biotinylated Human CCR5 Nanodisc, His Tag Per Well



Immobilized Biotinylated Human CCR5 Nanodisc, His Tag at 5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CCR5 Antibody, hFc Tag with the EC50 of 0.20µg/ml determined by ELISA (QC Test).