

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 1 EU 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 flow cytometry in mammalian cells.
Storage	Valid for 6 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

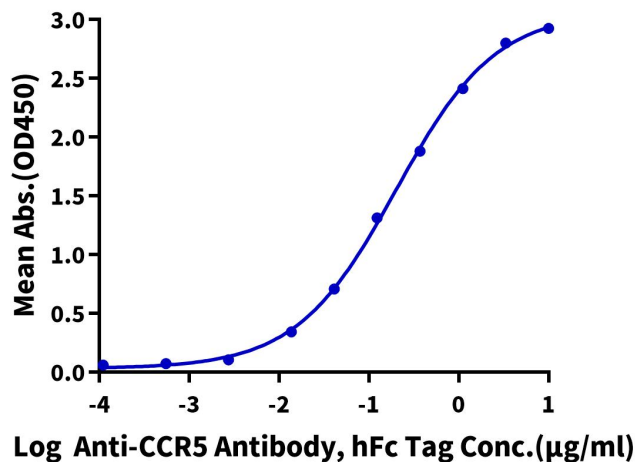
CC chemokine receptor 5 (CCR5) is a seven-transmembrane, G protein-coupled receptor (GPCR) which regulates trafficking and effector functions of memory/effector T-lymphocytes, macrophages, and immature dendritic cells. It also serves as the main coreceptor for the entry of R5 strains of human immunodeficiency 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).