# HUMAN CCR6 FULL LENGTH PROTEIN

: 11040

: CCR6 Full Length

: 10/50/100 μg

BN-1; C-C CKR-6; CC-CKR-6; CCR-6; CD196; CKR-L3; CKRL3; CMKBR6; DCR2; DRY6; GPR29; GPRCY4; STRL22

: CCR6

**UNIPROT ID:** P51684

: CCR6 full length protein-synthetic nanodisc

: The protein is a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. The gene is preferentially expressed by immature dendritic cells and memory T cells. The ligand of this receptor is macrophage inflammatory protein 3 alpha (MIP-3 alpha). This receptor has been shown to be important for B-lineage maturation and antigen-driven B-cell differentiation, and it may regulate the migration and recruitment of dentritic and T cells during inflammatory and immunological responses. Alternatively spliced transcript variants that encode the same protein have been described for this gene.

/ : HEK293

: The human full length CCR6 protein has a MW of 42.5 kDa

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

: Store at -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

**ELISA assay to evaluate CCR6-Nanodisc**
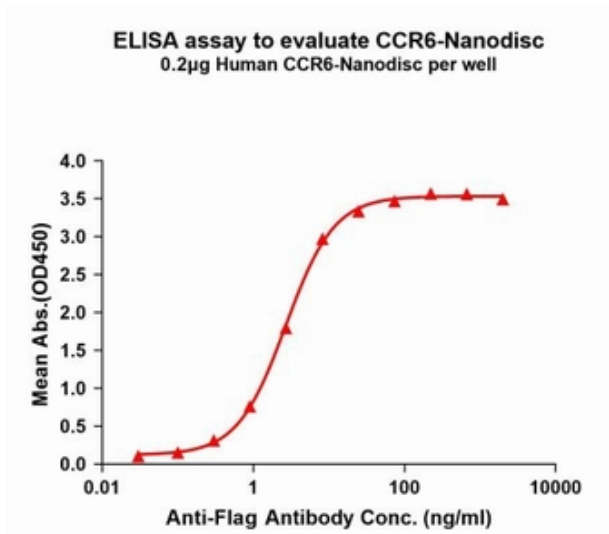0.2μg Human CCR6-Nanodisc per well

Figure1. Elisa plates were pre-coated with Flag Tag CCR6-Nanodisc (0.2 μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CCR6-Nanodisc is 2.691ng/ml.
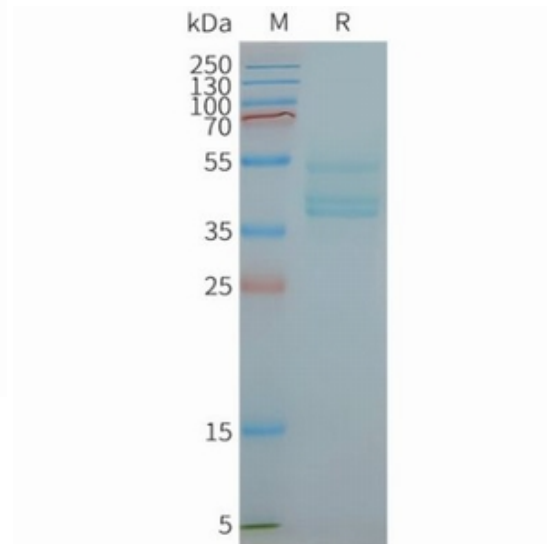


Figure2. Human CCR6-Nanodisc, Flag Tag on SDS-PAGE