

## **PRODUCT INFORMATION**

Tag C-Flag Tag

CCR6 **Target** 

BN-1; C-C CKR-6; CC-CKR-6; CCR-6; CD196; CKR-**Synonyms** 

L3; CKRL3; CMKBR6; DCR2; DRY6; GPR29;

GPRCY4; STRL22

Human CCR6 full length protein-synthetic **Description** 

nanodisc

**Delivery** In Stock **Uniprot ID** P51684 **Expression Host HEK293** 

**Protein Families** Druggable Genome, GPCR, Transmembrane

Chemokine signaling pathway, Cytokine-cytokine **Protein Pathways** 

receptor interaction

The human full length CCR6 protein has a MW of **Molecular Weight** 

42.5 kDa

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

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

The protein is a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G proteincoupled 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

**Background** important for B-lineage maturation and antigendriven 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.

Usage Research use only Conjugate Unconjugated

Figure1. Elisa plates were pre-coated with Flag Tag CCR6-Nanodisc (0.2μg/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

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