

## **PRODUCT INFORMATION**

Tag C-Flag Tag CCR10 **Target** GPR2 **Synonyms** 

Human CCR10 full length protein-synthetic **Description** 

nanodisc **Delivery** In Stock **Uniprot ID** P46092 **Expression Host HEK293** 

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

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

receptor interaction

The human full length CCR10 protein has a MW of **Molecular Weight** 

38.4 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.

Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane, G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as

**Background** well as on endothelial cells involved in

angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC, based on the arrangement of the first 2 of the 4 conserved cysteine residues; the 2 cysteines are separated by a single amino acid in CXC

chemokines and are adjacent in CC chemokines. CCR10 is the receptor for CCL27 (SCYA27; MIM 604833); CCR10-CCL27 interactions are involved

in T cell-mediated skin inflammation.

Usage Research use only Conjugate Unconjugated

Figure 1. Elisa plates were pre-coated with Flag Tag CCR10-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 CCR10-Nanodisc is 8.343ng/ml.

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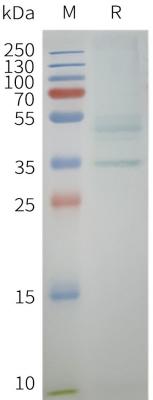


Figure 2. Human CCR10-Nanodisc, Flag Tag on SDS-PAGE



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