

**PRODUCT INFORMATION**

<b>Target</b>	CCR4
<b>Synonyms</b>	CC-CKR-4; CD194; ChemR13; CKR4; CMKBR4
<b>Description</b>	Human CCR4 full length protein-synthetic nanodisc
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P51679
<b>Expression Host</b>	HEK293
<b>Protein Families</b>	GPCR
<b>Protein Pathways</b>	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
<b>Molecular Weight</b>	The human full length CCR4 Protein has a MW of 41.4 kDa
<b>Formulation &amp; Reconstitution</b>	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. Please see Certificate of Analysis for specific instructions. Do not use solvents with pH lower than 6.5 in subsequent experiments.
<b>Storage &amp; Shipping</b>	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 at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Background</b>	The protein belongs to the G-protein-coupled receptor family . It is a receptor for the CC chemokine - MIP-1, RANTES, TARC and MCP-1. Chemokines are a group of small polypeptide, structurally related molecules that regulate cell trafficking of various types of leukocytes. The 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 well as on endothelial cells involved in angiogenesis or angiostasis.
<b>Usage</b>	Research use only



### ELISA assay to evaluate CCR4-Nanodisc 0.2 $\mu$ g Human CCR4-Nanodisc per well

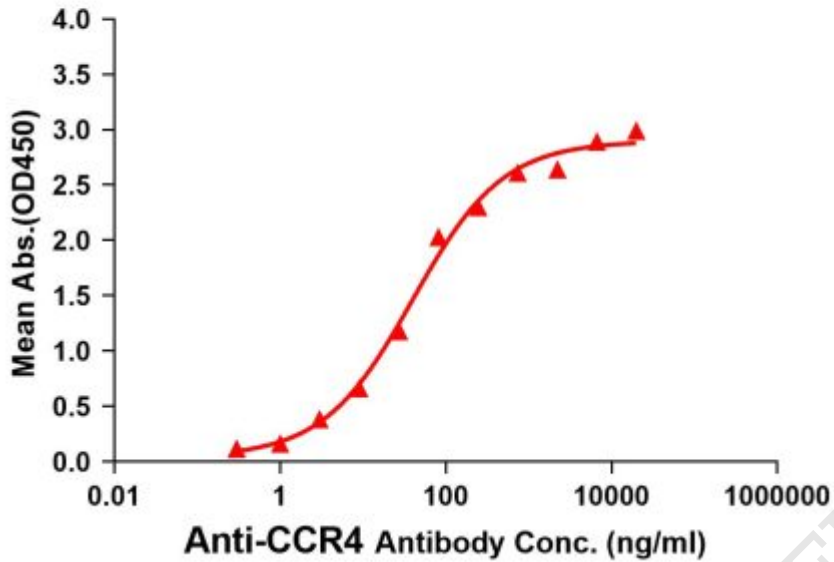


Figure1. Elisa plates were pre-coated with Flag Tag CCR4-Nanodisc (0.2 $\mu$ g/per well). Serial diluted anti-CCR4 monoclonal antibody (BME100086) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CCR4 monoclonal antibody binding with CCR4-Nanodisc is 40.3ng/ml.



Figure2. Human CCR4-Nanodisc, Flag Tag on SDS-PAGE

