Delivery

Background



PRODUCT INFORMATION

C-Flag Tag Tag

CCR2 **Target**

CC-CKR-2; CCR-2; CCR2A; CCR2B; CD192; CKR2; CKR2A; CKR2B; CMKBR2; MCP-1-R **Synonyms**

Human CCR2 full length protein-synthetic Description

nanodisc In Stock P41597

Uniprot ID HEK293 Expression Host

Protein Families Druggable Genome, Transmembrane

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

receptor interaction

The human full length CCR2 protein has a MW of Molecular Weight

41.9 kDa

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 Formulation & Reconstitution

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 at -80°C (Avoid repeated freezing and thawing). Storage & Shipping Lyophilized proteins are shipped at ambient

temperature.

The protein is a receptor for monocyte

chemoattractant protein-1, a chemokine which specifically mediates monocyte chemotaxis. Monocyte chemoattractant protein-1 is involved in monocyte infiltration in inflammatory diseases such as rheumatoid arthritis as well as in the

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inflammatory response against tumors. The encoded protein mediates agonist-dependent calcium mobilization and inhibition of adenylyl cyclase. This protein can also be a coreceptor with CD4 for HIV-1 infection. This gene is located in the chemokine receptor gene cluster region of

chromosome 3.

Usage Research use only

Conjugate Unconjugated





ELISA assay to evaluate CCR2-Nanodisc 0.2μg Human CCR2-Nanodisc per well

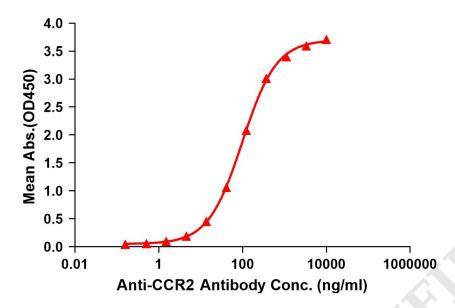


Figure 1. Elisa plates were pre-coated with Flag Tag CCR2-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-CCR2 monoclonal antibody (DMC100447) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CCR2 monoclonal antibody binding with CCR2-Nanodisc is 99.19ng/ml.

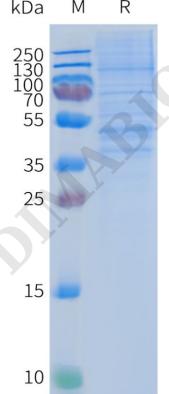


Figure 2. Human CCR2-Nanodisc, Flag Tag on SDS-PAGE

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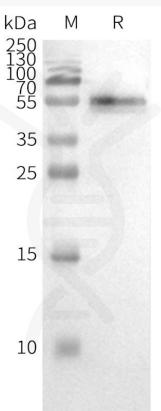


Figure 3. WB analysis of Human CCR2-Nanodisc with anti-CCR2 monoclonal antibody (BME100087), followed by Goat Anti-Human IgG HRP at 1/5000 dilution

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