

**PRODUCT INFORMATION**

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|---|---|
| <b>Tag</b>                              | C-Flag Tag  |
| <b>Target</b>                           | CCR6  |
| <b>Synonyms</b>                         | BN-1; C-C CKR-6; CC-CKR-6; CCR-6; CD196; CKR-L3; CKRL3; CMKBR6; DCR2; DRY6; GPR29; GPRCY4; STRL22   |
| <b>Description</b>                      | Human CCR6 full length protein-synthetic nanodisc   |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | P51684  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Protein Families</b>                 | Druggable Genome, GPCR, Transmembrane   |
| <b>Protein Pathways</b>                 | Chemokine signaling pathway, Cytokine-cytokine receptor interaction   |
| <b>Molecular Weight</b>                 | The human full length CCR6 protein has a MW of 42.5 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   |
| <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 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 dendritic and T cells during inflammatory and immunological responses. Alternatively spliced transcript variants that encode the same protein have been described for this gene. |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |



### ELISA assay to evaluate CCR6-Nanodisc 0.2 $\mu$ g Human CCR6-Nanodisc per well

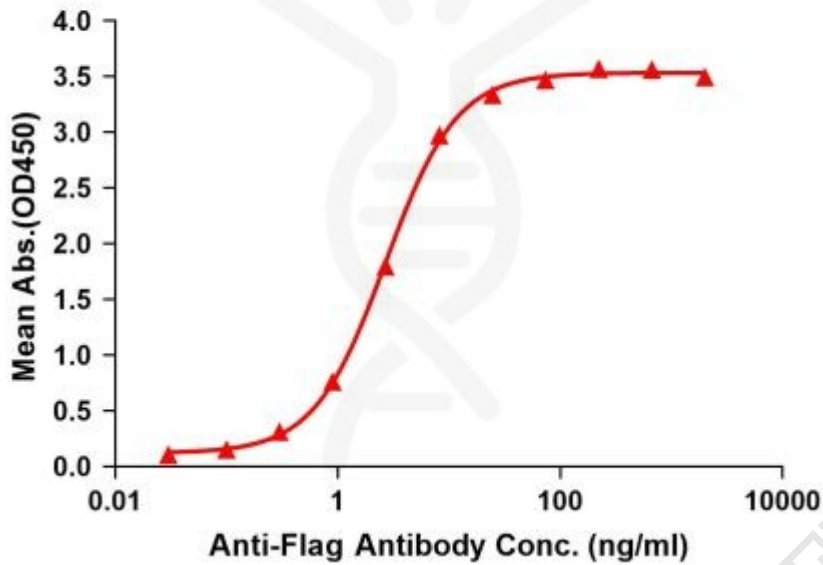


Figure1. Elisa plates were pre-coated with Flag Tag CCR6-Nanodisc (0.2 $\mu$ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CCR6-Nanodisc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



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

