

PRODUCT INFORMATION

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| Tag | C-Flag Tag |
| Target | CCR6 |
| Synonyms | BN-1; C-C CKR-6; CC-CKR-6; CCR-6; CD196; CKR-L3; CKRL3; CMKBR6; DCR2; DRY6; GPR29; GPRCY4; STRL22 |
| Description | Human CCR6 full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | P51684 |
| Expression Host | HEK293 |
| Protein Families | Druggable Genome, GPCR, Transmembrane |
| Protein Pathways | Chemokine signaling pathway, Cytokine-cytokine receptor interaction |
| Molecular Weight | The human full length CCR6 protein has a MW of 42.5 kDa |
| Formulation & Reconstitution | 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 of reconstitution. |
| Storage&Shipping | 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. |
| Background | 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. |
| Usage | Research use only |
| Conjugate | Unconjugated |



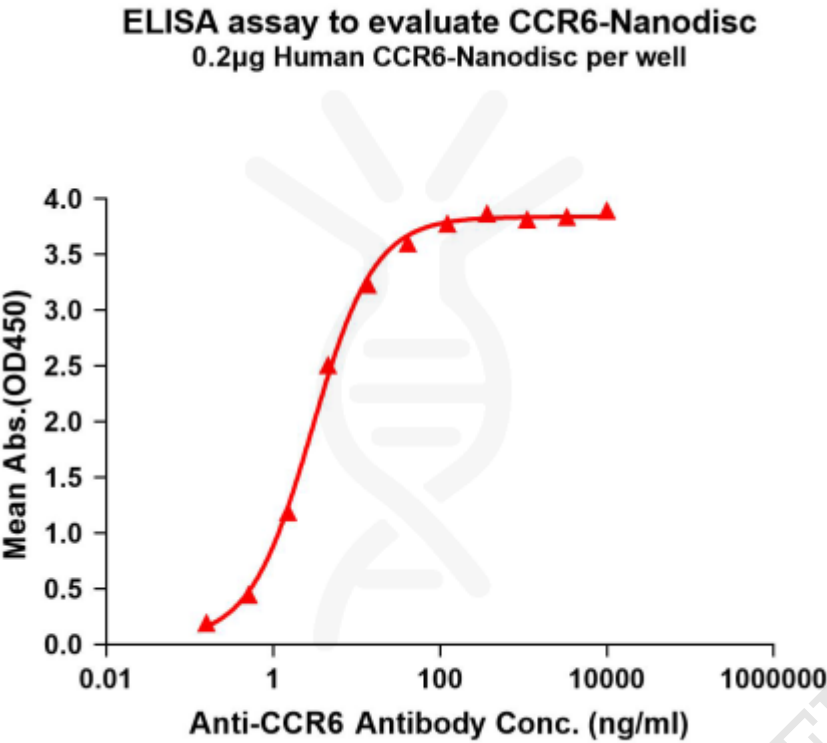


Figure1. Elisa plates were pre-coated with Flag Tag CCR6-Nanodisc (0.2μg/per well). Serial diluted anti-CCR6 monoclonal antibody (DMC100477) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CCR6 monoclonal antibody binding with CCR6-Nanodisc is 2.955ng/ml.

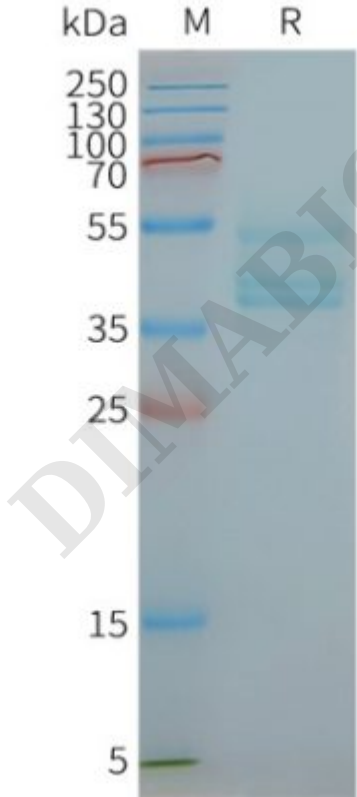


Figure2. Human CCR6-Nanodisc, Flag Tag on SDS-PAGE

