

PRODUCT INFORMATION

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| Tag | C-Flag&Avi Tag |
| Target | CCR2 |
| Synonyms | CKR2; CCR-2; CCR2A; CCR2B; CD192; CKR2A; CKR2B; PCLUD; CMKBR2; MCP-1-R; CC-CKR-2 |
| Description | Biotinylated Human CCR2 full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | P41597 |
| Expression Host | HEK293 |
| Protein Families | Transmembrane |
| Protein Pathways | AKT Signaling Pathway, Autophagy pathway, Jak-Stat Signaling Pathway |
| Molecular Weight | The human full length CCR2 Protein has a MW of 46.7 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. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. |
| 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 encoded by this gene 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 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. [provided by RefSeq, Aug 2017] |
| Usage | Research use only |
| Conjugate | Biotinylated |



Biotinylated Human CCR2 full length protein-synthetic nanodisc ELISA

0.2 μg of Biotinylated Human CCR2-Nanodisc, Flag Tag per well

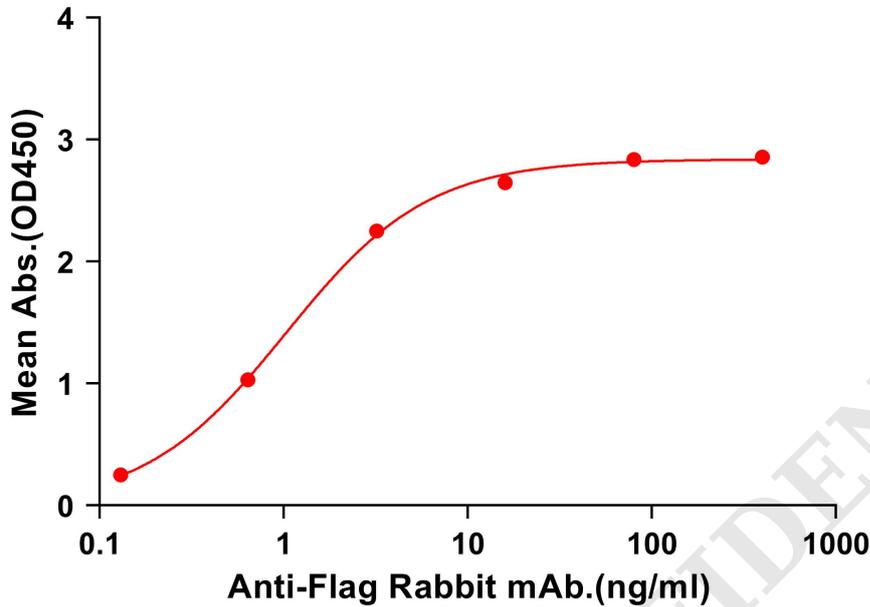
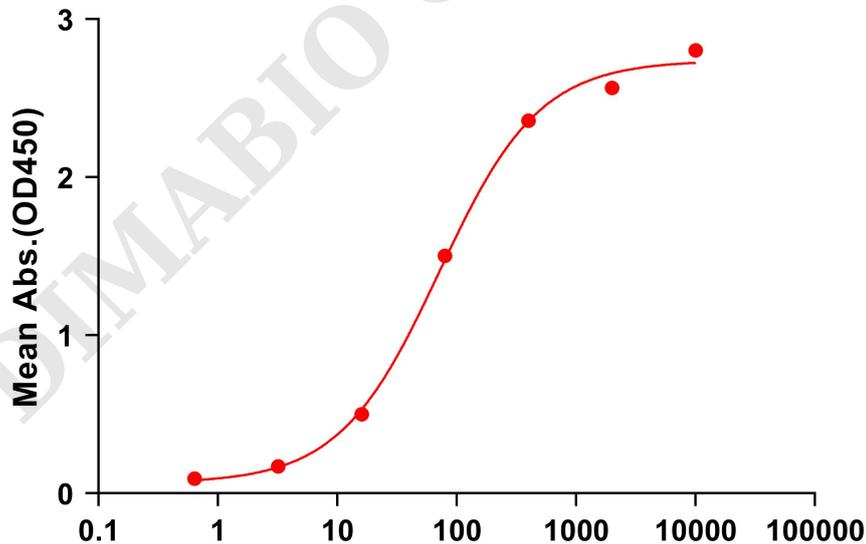


Figure 1. ELISA plate pre-coated by 2 $\mu\text{g}/\text{mL}$ (100 $\mu\text{L}/\text{well}$) Biotinylated Human CCR2 full length protein-synthetic nanodisc (FLP100028B) can bind Anti-Flag Rabbit mAb in a linear range of 0.13-16 ng/mL.

Biotinylated Human CCR2 full length protein-synthetic nanodisc ELISA

0.1 μg of Streptavidin per well



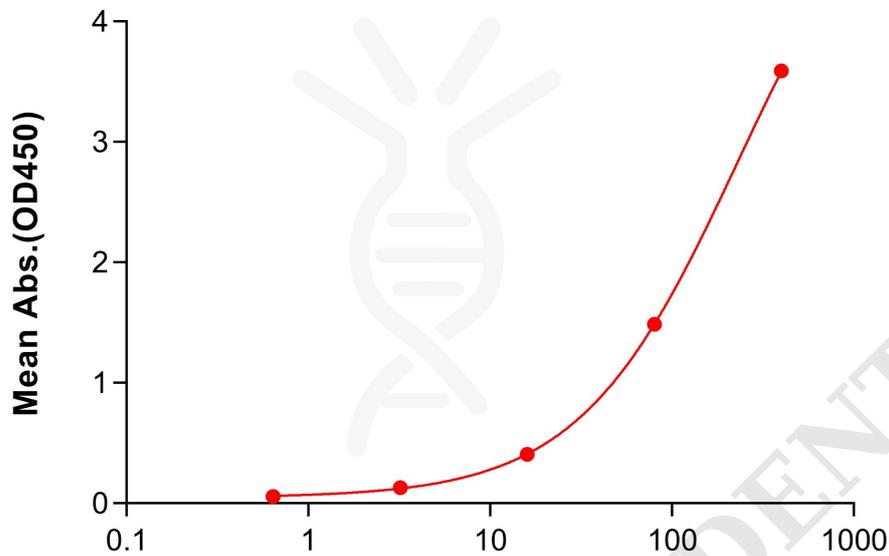
Biotinylated Human CCR2 full length protein-synthetic nanodisc.(ng/ml)

Figure 2. ELISA plate pre-coated by 1 $\mu\text{g}/\text{mL}$ (100 $\mu\text{L}/\text{well}$) Streptavidin can bind Biotinylated Human CCR2 full length protein-synthetic nanodisc (FLP100028B) in a linear range of 16-400 ng/mL. In order to specifically detect FLP100028B, Anti-Flag Rabbit antibody was used as detection antibody.



Biotinylated Human CCR2 full length protein-synthetic nanodisc ELISA

0.2 μ g of Anti-Flag Rabbit mAb per well



Biotinylated Human CCR2 full length protein-synthetic nanodisc.(ng/ml)

Figure 3. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Anti-flag Rabbit mAb can bind Biotinylated Human CCR2 full length protein-synthetic nanodisc (FLP100028B) in a linear range of 16-400 ng/mL. In order to specifically detect FLP100028B, HRP Conjugated Streptavidin was used as detection antibody.



Figure 4. Biotinylated Human CCR2-Nanodisc, Flag Tag on SDS-PAGE

