

## PRODUCT INFORMATION

<b>Tag</b>	C-Flag and Avi Tag
<b>Target</b>	CCR2
<b>Synonyms</b>	CKR2; CCR-2; CCR2A; CCR2B; CD192; CKR2A; CKR2B; PCLUD; CMKBR2; MCP-1-R; CC-CKR-2
<b>Description</b>	Biotinylated Human CCR2 full length protein-synthetic nanodisc
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P41597
<b>Expression Host</b>	HEK293
<b>Protein Families</b>	Transmembrane
<b>Protein Pathways</b>	AKT Signaling Pathway, Autophagy pathway, Jak-Stat Signaling Pathway
<b>Molecular Weight</b>	The human full length CCR2 Protein has a MW of 46.7 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 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]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Biotinylated



**Biotinylated Human CCR2 full length protein-synthetic nanodisc ELISA**

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

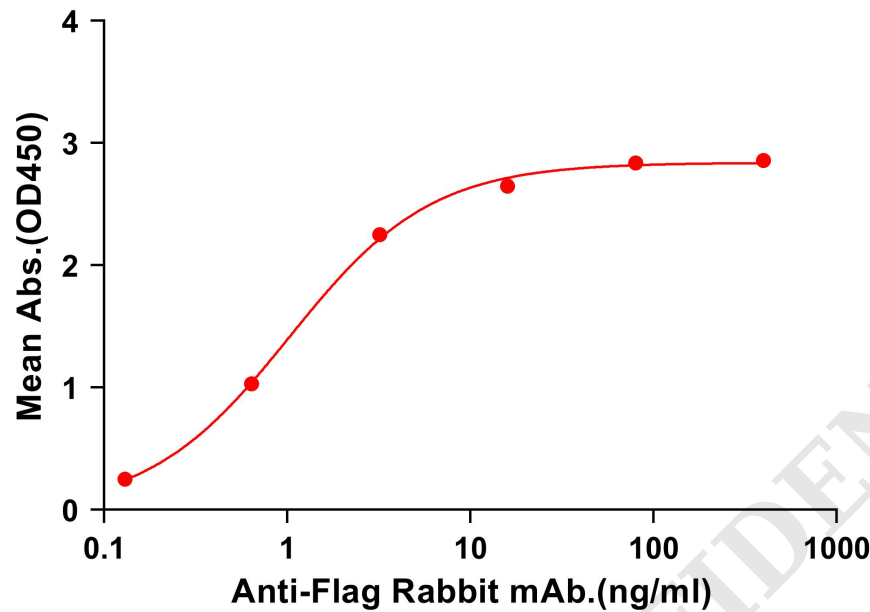
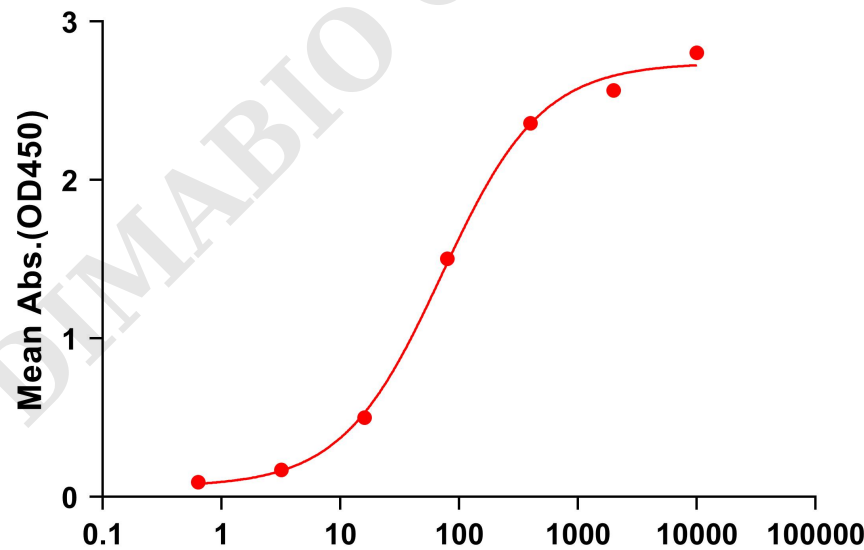


Figure 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Biotinylated Human CCR2 full length protein-synthetic nanodisc (FLP100028B) can bind Anti-Flag Rabbit mAb in a linear range of 0.13-16 ng/mL.

**Biotinylated Human CCR2 full length protein-synthetic nanodisc ELISA**

0.1 µg of Streptavidin per well



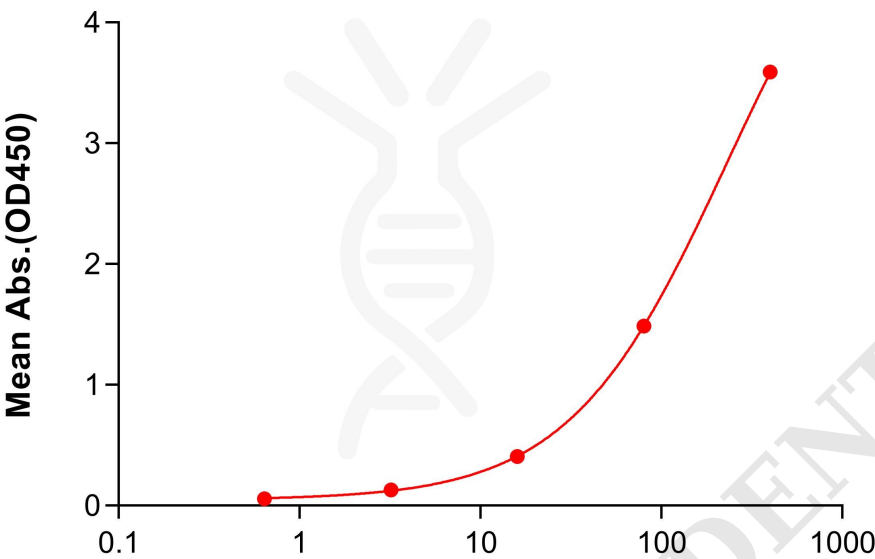
**Biotinylated Human CCR2 full length protein-synthetic nanodisc.(ng/ml)**

Figure 2. ELISA plate pre-coated by 1 µg/mL (100 µL/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 µg 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 µg/mL (100 µL/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.

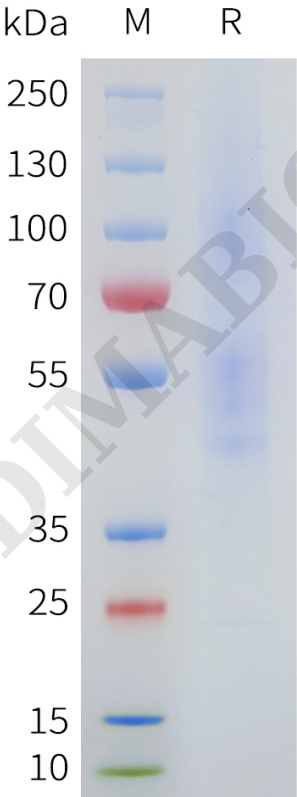


Figure 4. Biotinylated Human CCR2-Nanodisc, Flag Tag on SDS-PAGE

