Biotinylated Human CCR2 full length protein-synthetic nanodisc

Cat. No. FLP100028B

DIMA BIOTECH

PRODUCT INFORMATION

Tag	C-Flag&Avi Tag
Expression Host	HEK293
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
Uniprot ID	P41597
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.
Delivery	In Stock
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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
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

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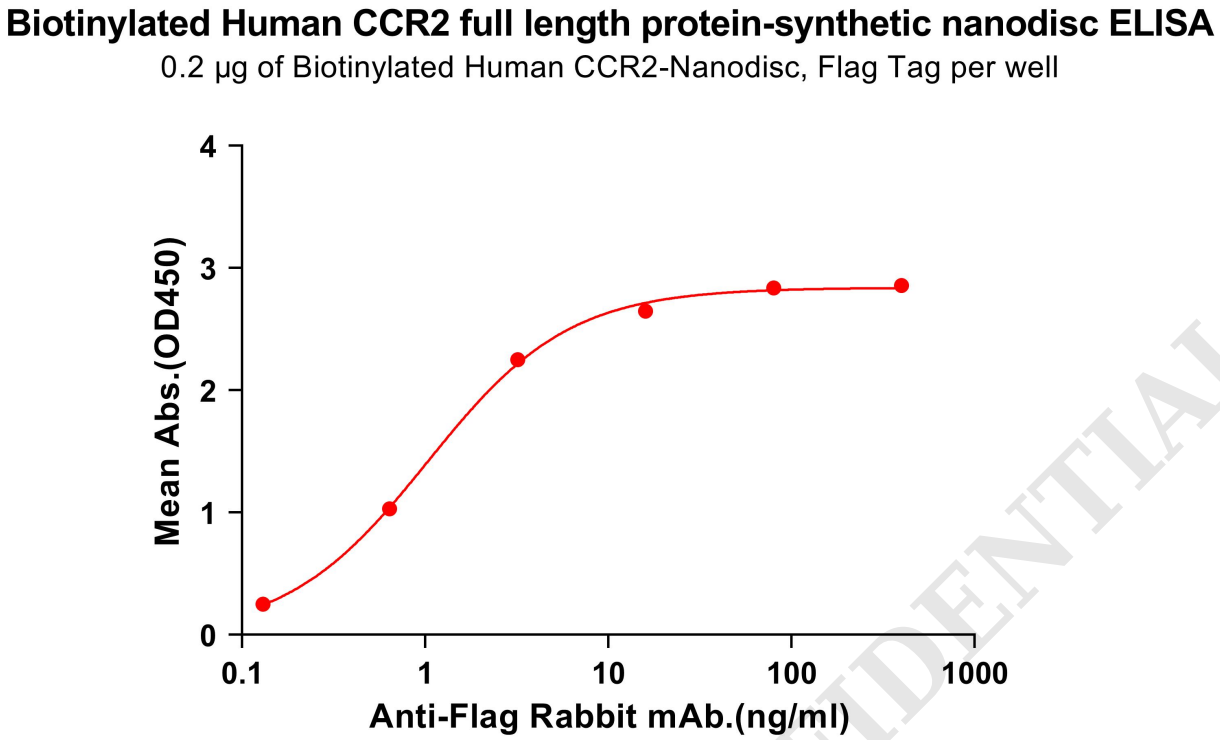

Figure 1. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Biotinylated Human CCR2 full length protein-synthetic nanodisc (FLP100028B) can bind Anti-Flag Rabbit mAb in a linear range of 0.13-16 ng/mL.

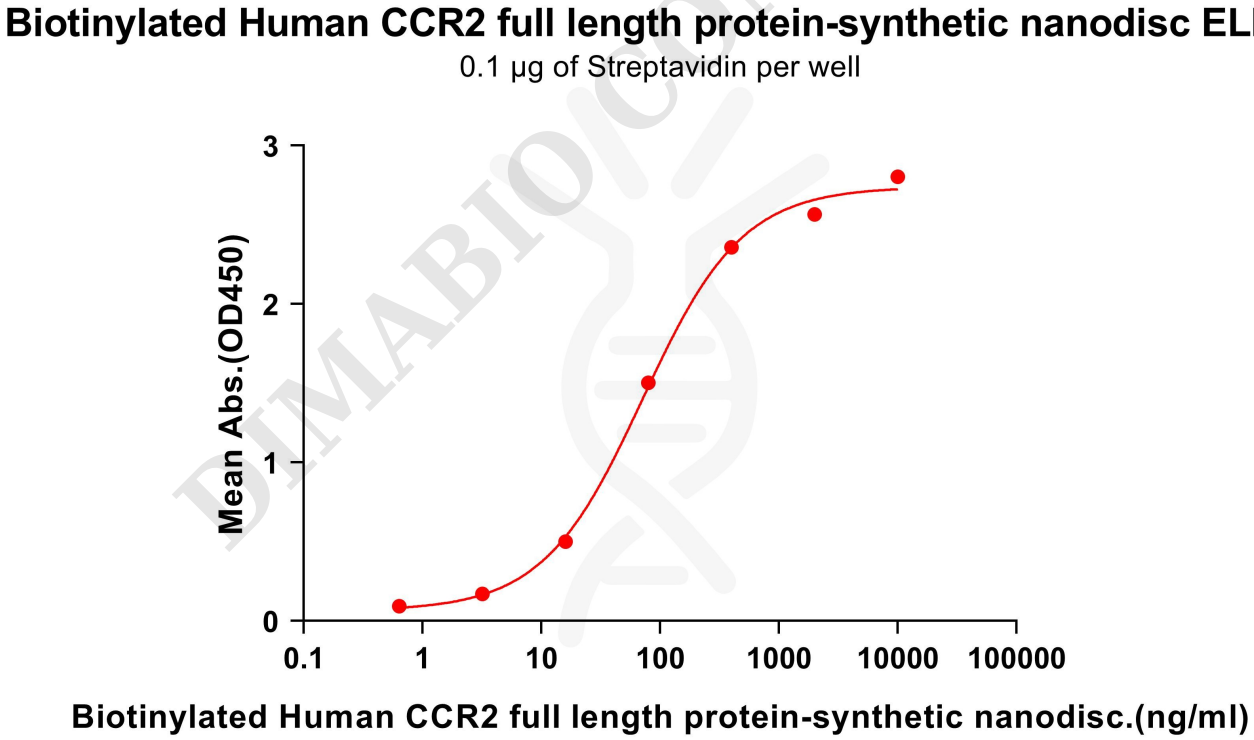

Figure 2. ELISA plate pre-coated by 1 μg/mL (100 μL/well) Streptavidin can bind Biotinylated Human CCR2 full length protein-synthetic nanodisc (FLP100028B) in a linear range of 16-400 ng/mL. In order to specifically detect FLP100028B, Anti-Flag Rabbit antibody was used as detection antibody.

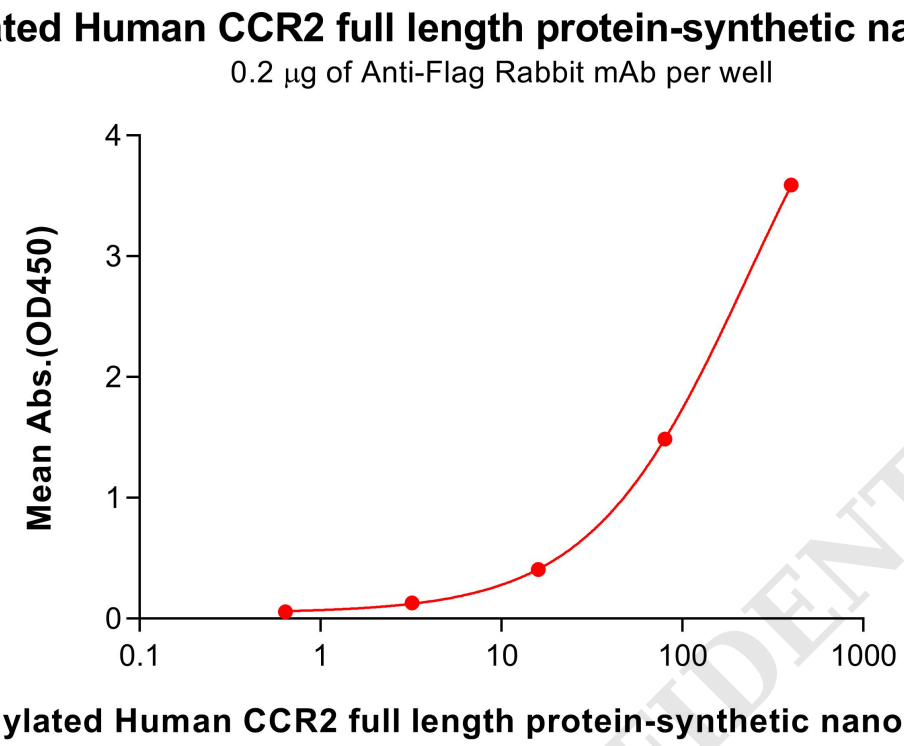

Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Anti-flag Rabbit mAb can bind Biotinylated Human CCR2 full length protein-synthetic nanodisc (FLP100028B) in a linear range of 16-400 ng/mL. In order to specifically detect FLP100028B, HRP Conjugated Streptavidin was used as detection antibody.

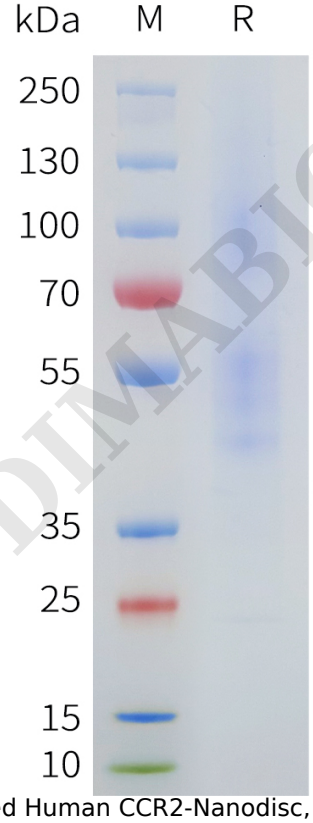

Figure 4. Biotinylated Human CCR2-Nanodisc, Flag Tag on SDS-PAGE