Biotinylated Human CCR8 full length protein-synthetic nanodisc

Cat. No. FLP100037B

DIMA BIOTECH

PRODUCT INFORMATION

Tag	C-Flag&Avi Tag
Target	CCR8
Synonyms	CY6; TER1; CCR-8; CKRL1; CDw198; CMKBR8; GPRCY6; CMKBRL2; CC-CKR-8
Description	Biotinylated Human CCR8 full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	P51685
Expression Host	HEK293
Protein Families	Transmembrane
Protein Pathways	CCL18 signaling pathway, Chemokine signaling pathway
Molecular Weight	The human full length CCR8 Protein has a MW of 45.6 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	This gene encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. Chemokines and their receptors are important for the migration of various cell types into the inflammatory sites. This receptor protein preferentially expresses in the thymus. I-309, thymus activation-regulated cytokine (TARC) and macrophage inflammatory protein-1 beta (MIP-1 beta) have been identified as ligands of this receptor. Studies of this receptor and its ligands suggested its role in regulation of monocyte chemotaxis and thymic cell apoptosis. More specifically, this receptor may contribute to the proper positioning of activated T cells within the antigenic challenge sites and specialized areas of lymphoid tissues. This gene is located at the chemokine receptor gene cluster region. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Biotinylated

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Biotinylated Human CCR8 full length protein-synthetic nanodisc ELISA

0.2 μg of Biotinylated Human CCR8-Nanodisc, Flag Tag per well

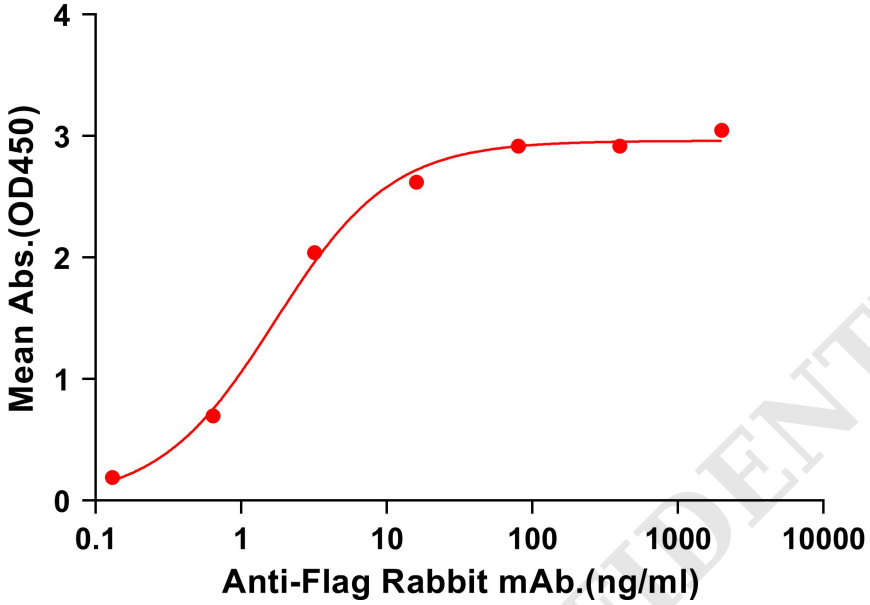

Figure 1. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Biotinylated Human CCR8 full length protein-synthetic nanodisc (FLP100037B) can bind Anti-Flag Rabbit mAb in a linear range of 0.13-16 ng/mL.

Biotinylated Human CCR8 full length protein-synthetic nanodisc ELISA

0.1 μg of Streptavidin per well

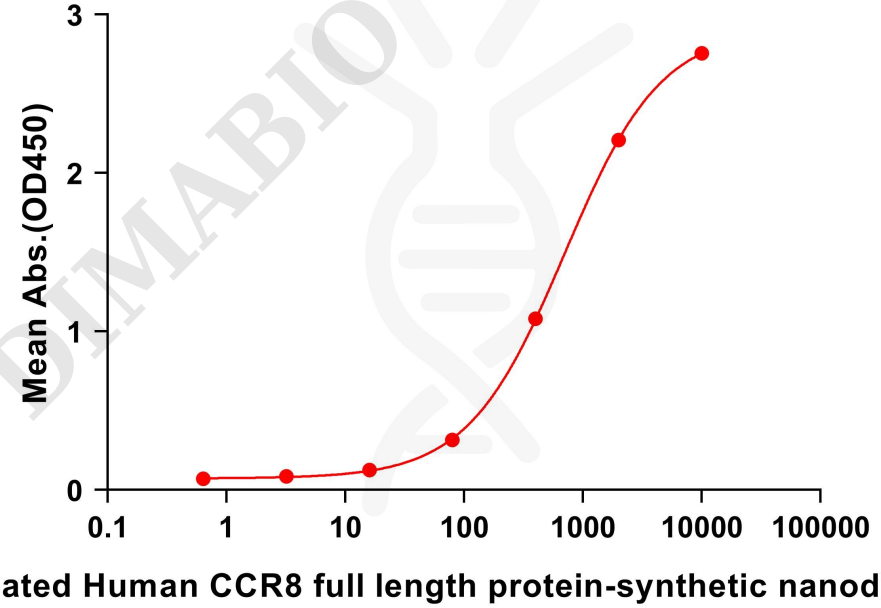

Figure 2. ELISA plate pre-coated by 1 μg/mL (100 μL/well) Streptavidin can bind Biotinylated Human CCR8 full length protein-synthetic nanodisc (FLP100037B) in a linear range of 80-2000 ng/mL. In order to specifically detect FLP100037B, Anti-Flag Rabbit antibody was used as detection antibody.

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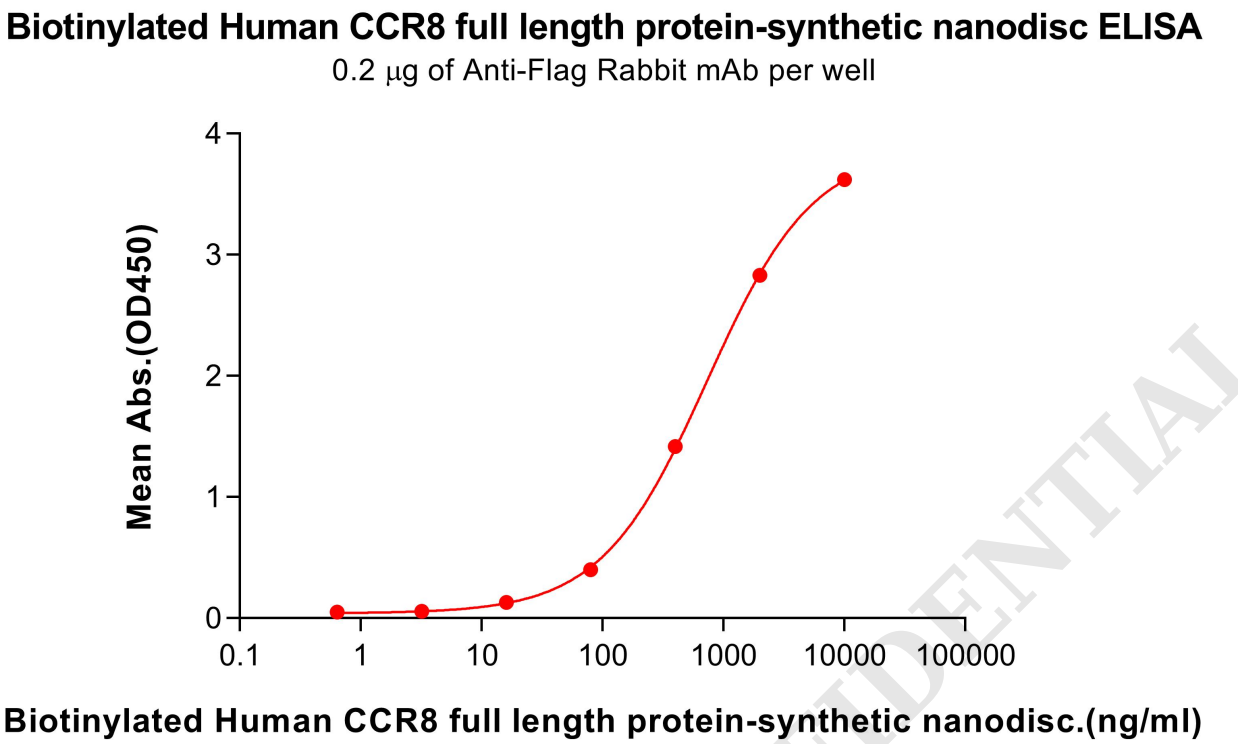

Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Anti-flag Rabbit mAb can bind Biotinylated Human CCR8 full length protein-synthetic nanodisc (FLP100037B) in a linear range of 80-2000 ng/mL. In order to specifically detect FLP100037B, HRP Conjugated Streptavidin was used as detection antibody.

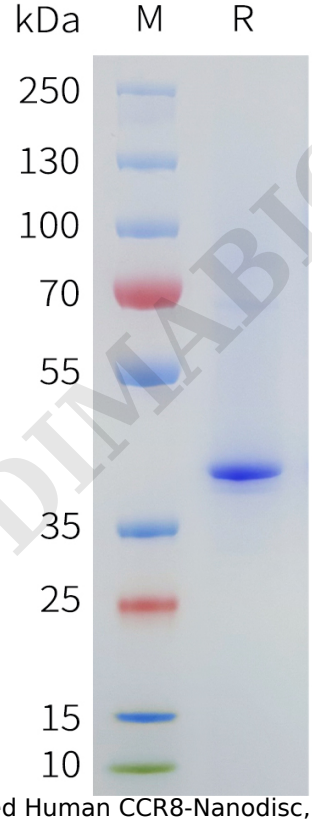

Figure 4. Biotinylated Human CCR8-Nanodisc, Flag Tag on SDS-PAGE

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