Biotinylated Human CXCR7 full length protein-synthetic nanodisc

Cat. No. FLP100095B

DIMA BIOTECH

PRODUCT INFORMATION

Tag	C-Flag&Avi Tag
Target	CXCR7
Synonyms	RDC1; ACKR3; RDC-1; CMKOR1; CXC-R7; CXCR-7; GPR159
Description	Biotinylated Human CXCR7 full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	P25106
Expression Host	HEK293
Protein Families	Transmembrane
Protein Pathways	Axon guidance, Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Endocytosis, Leukocyte transendothelial migration
Molecular Weight	The human full length CXCR7 Protein has a MW of 44.4 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	This gene encodes a member of the G-protein coupled receptor family. Although this protein was earlier thought to be a receptor for vasoactive intestinal peptide (VIP), it is now considered to be an orphan receptor, in that its endogenous ligand has not been identified. The protein is also a coreceptor for human immunodeficiency viruses (HIV). Translocations involving this gene and HMGA2 on chromosome 12 have been observed in lipomas. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Biotinylated

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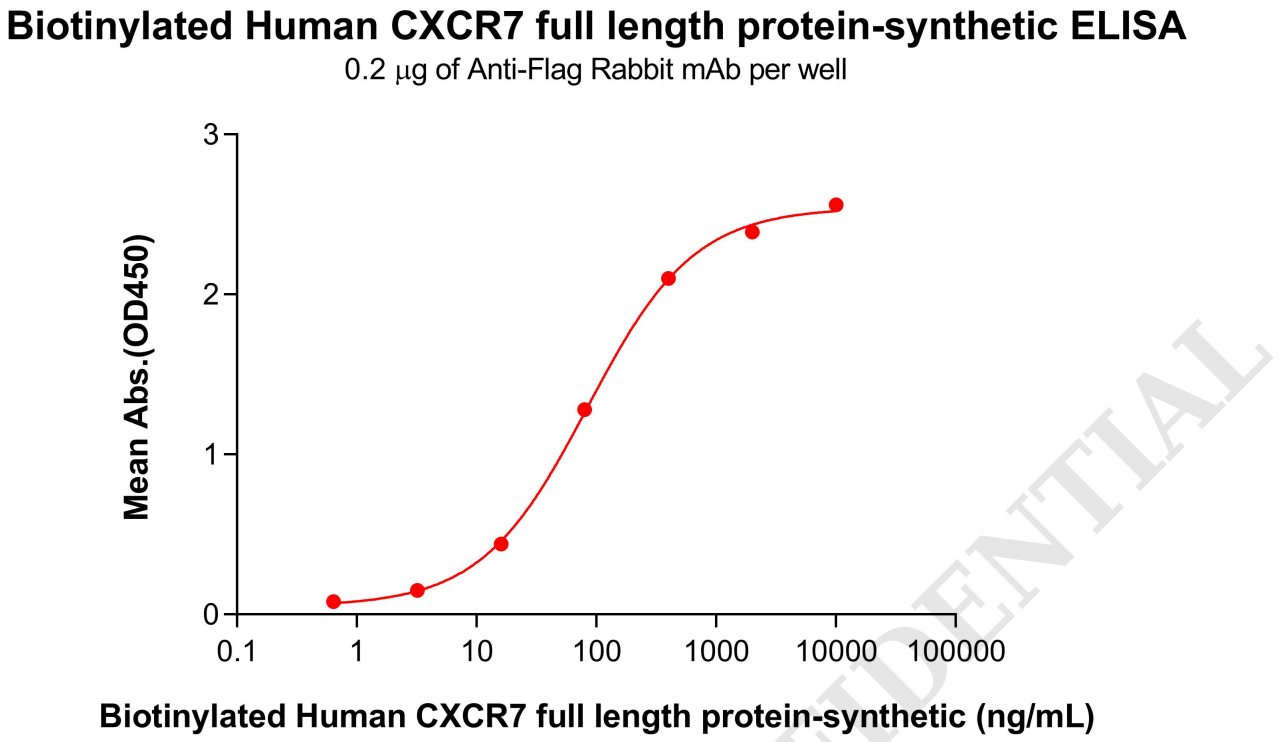

Figure 1. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Anti-Flag Rabbit mAb can bind Biotinylated Human CXCR7 full length protein-synthetic nanodisc(FLP100095B) in a linear range of 16–400 ng/mL. In order to specifically detect FLP100095B, HRP Conjugated Streptavidin was used as detection antibody.

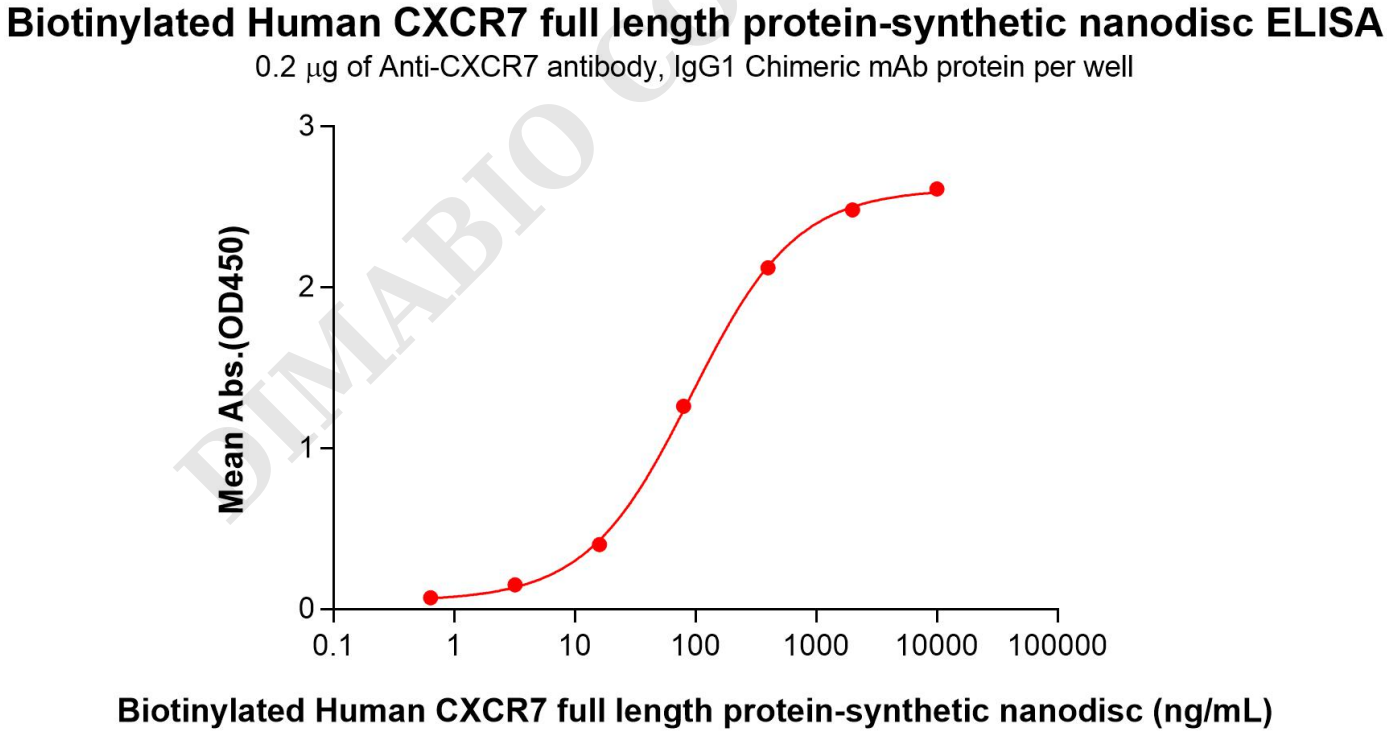

Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Anti-CXCR7 antibody, IgG1 Chimeric mAb can bind Biotinylated Human CXCR7 full length protein-synthetic nanodisc(FLP100095B) in a linear range of 16–400 ng/mL. In order to specifically detect FLP100095B, HRP Conjugated Streptavidin was used as detection antibody.

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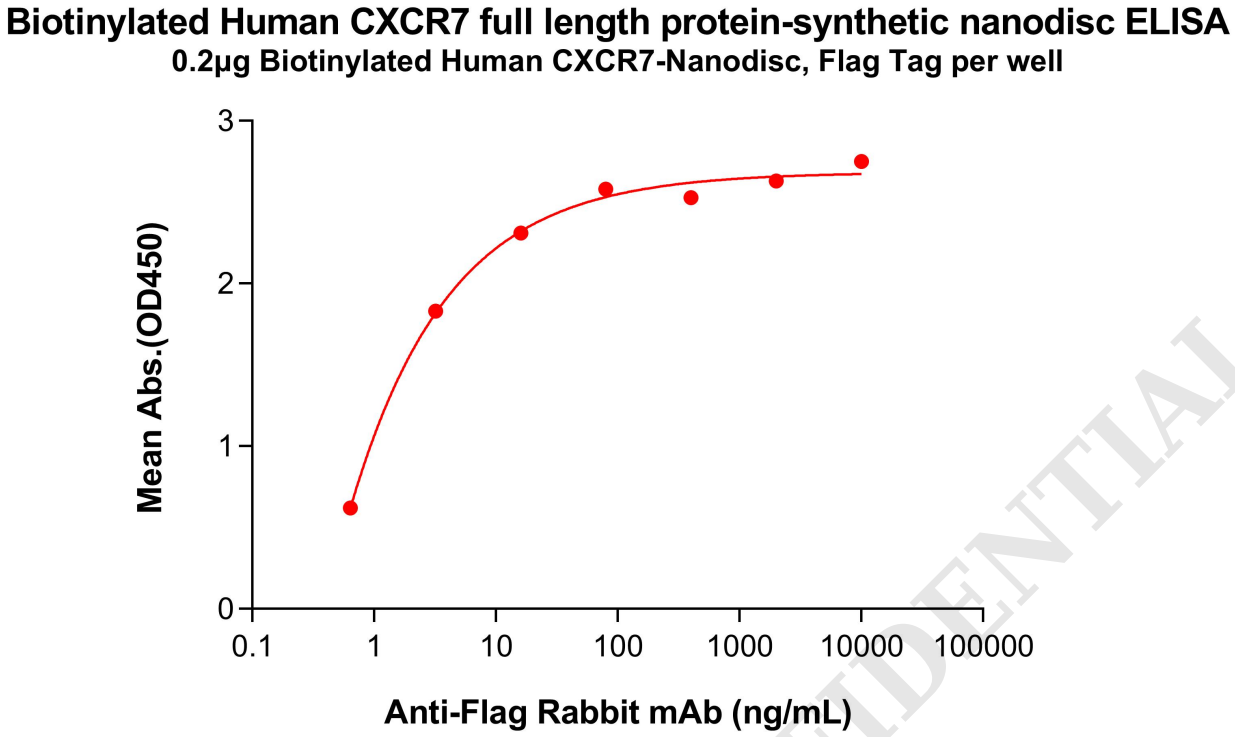

Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Biotinylated Human CXCR7 full length protein-synthetic nanodisc(FLP100095B) can bind Anti-Flag Rabbit mAb in a linear range of 0.64-16 ng/mL.

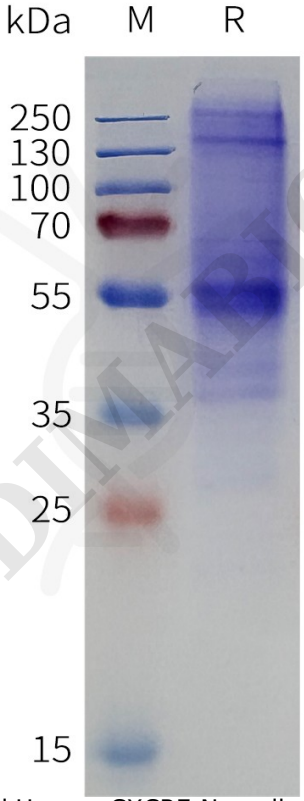

Figure 4. Biotinylated Human CXCR7-Nanodisc, Flag Tag on SDS-PAGE

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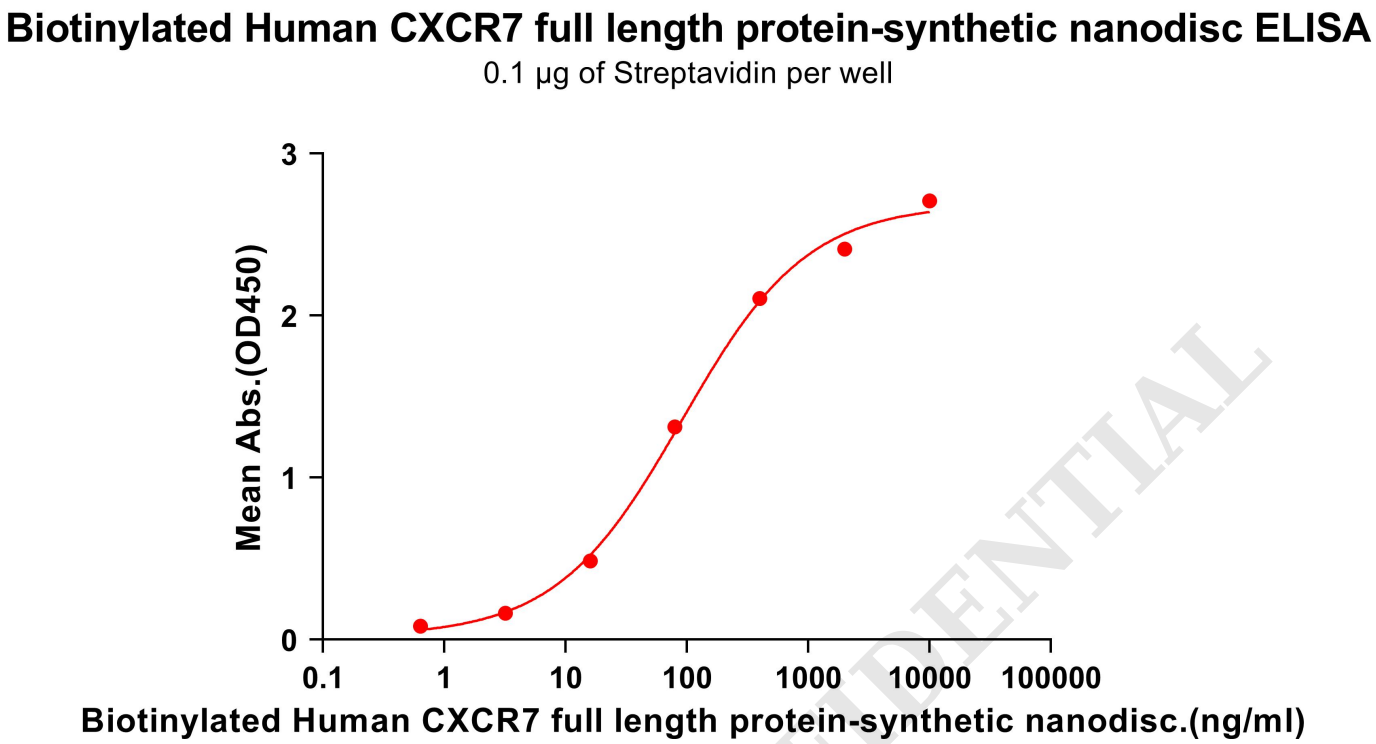

Figure 5. ELISA plate pre-coated by 1 μg/mL (100 μL/well) Streptavidin can bind Biotinylated Human CXCR7 full length protein-synthetic nanodisc(FLP100095B) in a linear range of 16-400 ng/mL. In order to specifically detect FLP100095B, Anti-Flag Rabbit antibody was used as detection antibody.

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