

PRODUCT INFORMATION

Target	CXCR7
Synonyms	ACKR3; CMKOR1; CXC-R7; CXCR-7; GPR159; RDC-1; RDC1
Description	Human CXCR7 full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	P25106
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length CXCR7 protein has a MW of 41.5 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 pH lower than 6.5 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	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.
Usage	Research use only



ELISA assay to evaluate CXCR7-Nanodisc
0.2µg Human CXCR7-Nanodisc per well

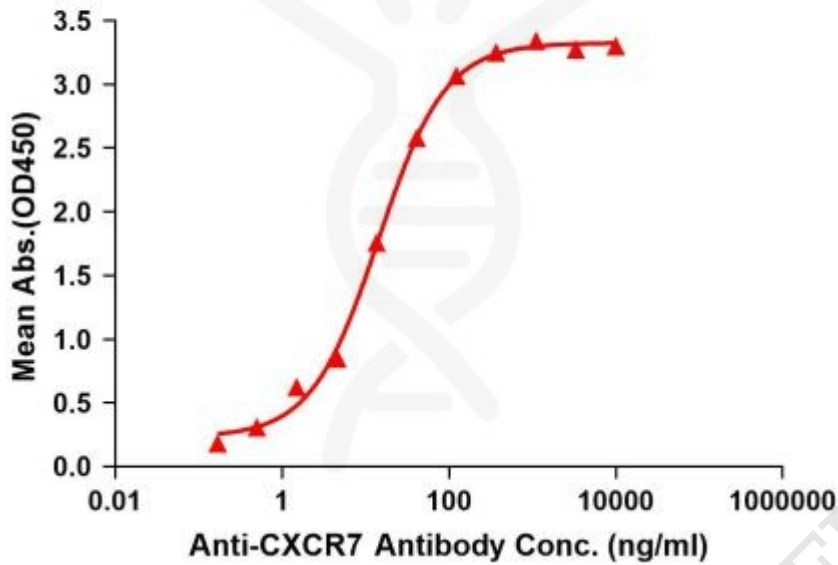


Figure1. Elisa plates were pre-coated with Flag Tag CXCR7-Nanodisc (0.2µg/per well). Serial diluted anti-CXCR7 monoclonal antibody (DMC100443) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CXCR7 monoclonal antibody binding with CXCR7-Nanodisc is 14.28ng/ml.



Figure2. Human CXCR7-Nanodisc, Flag Tag on SDS-PAGE

