

Biotinylated Human CXCR7 Nanodisc



Cat. No. CXR-HM17NB

Description	
Source	Recombinant Biotinylated Human CXCR7 Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Lys362.
Accession	P25106
Molecular Weight	The protein has a predicted MW of 54.4 kDa.
Endotoxin	Less than 1 EU per µg by the LAL method.

Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS, 200mM L-arginine (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

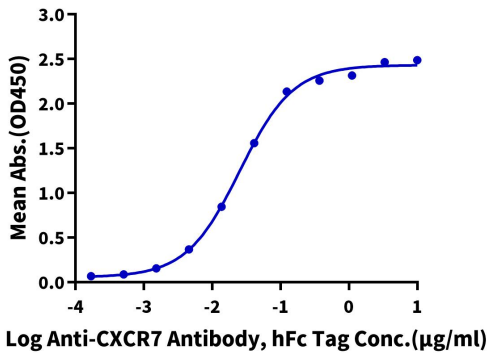
Background	
Atypical chemokine receptor 3 (ACKR3), previously known as C-X-C chemokine receptor type 7 (CXCR7), has emerged as a key player in several biologic processes, particularly during development. Its CXCL11 and CXCL12 scavenging activity and atypical signaling properties, together with a new array of other nonchemokine ligands, have established ACKR3 as a main regulator of physiologic processes at steady state and during inflammation.	

Assay Data

ELISA Data

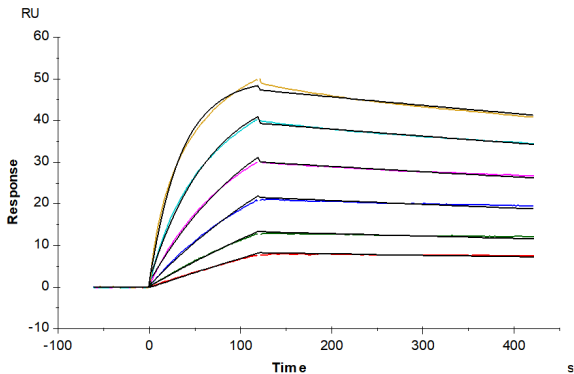
Biotinylated Human CXCR7 Nanodisc, His Tag ELISA

0.5µg Biotinylated Human CXCR7 Nanodisc, His Tag Per Well



Immobilized Biotinylated Human CXCR7 Nanodisc, His Tag at 5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CXCR7 Antibody, hFc Tag with the EC50 of 24.2ng/ml determined by ELISA.

SPR Data



Biotinylated Human CXCR7 Nanodisc, His Tag captured on CM5 Chip via Streptavidin can bind Anti-CXCR7 Antibody, hFc Tag with an affinity constant of 3.22 nM as determined in SPR assay (Biacore T200).