

Biotinylated Human CCR9 Nanodisc



Cat. No. CCR-HM19NB

Description	
Source	Recombinant Biotinylated Human CCR9 Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Leu369.
Accession	P51686-1
Molecular Weight	The protein has a predicted MW of 54.9 kDa.
Endotoxin	Less than 1 EU per µg by the LAL method.

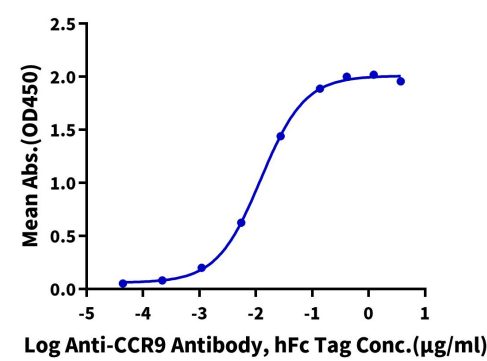
Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS, 200mM L-arginine (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for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

Background	
Chemokine receptor CCR9 is a G protein-coupled receptor and expressed on several types of immune cells, including dendritic cells (DCs), CD4+ T cells, and B cells. CCR9 drives the migration of immune cells to gradients of its cognate ligand CCL25 to promote tumor proliferation and metastasis.	

Assay Data

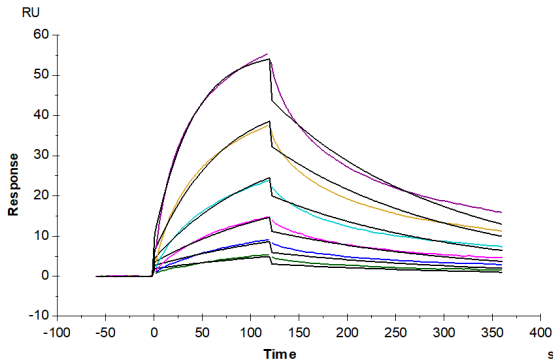
ELISA Data

Biotinylated Human CCR9 Nanodisc, His Tag ELISA
0.5µg Biotinylated Human CCR9 Nanodisc, His Tag Per Well



Immobilized Biotinylated Human CCR9 Nanodisc, His Tag at 5µg/ml (100µl/well) on the streptavidin precoated plate(5µg/ml). Dose response curve for Anti-CCR9 Antibody, hFc Tag with the EC50 of 12.2ng/ml determined by ELISA.

SPR Data



Biotinylated Human CCR9 Nanodisc, His Tag captured on CM5 Chip via Streptavidin can bind Anti-CCR9 Antibody, mFc Tag with an affinity constant of 5.90 nM as determined in SPR assay (Biacore T200).