

Human CCR7 Nanodisc

Cat. No. CCR-HM107



Description	
Source	Recombinant Human CCR7 Nanodisc is expressed from HEK293 with His tag at the C-terminus (FITC-equivalent protein is fused on cytoplasmic part). It contains Met1-Pro378.
Accession	P32248
Molecular Weight	The protein has a predicted MW of 67.70 kDa.
Endotoxin	Less than 1 EU per µg by the LAL method.

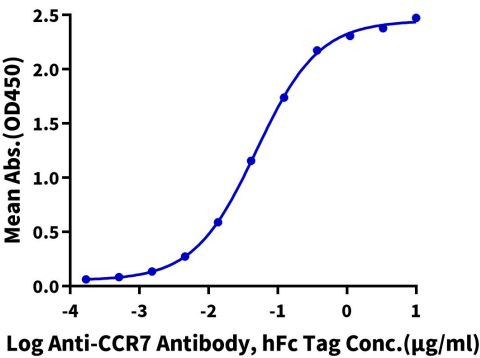
Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage.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

Background	
CC-chemokine receptor 7 (CCR7), collaborated with its ligands CCL19 and CCL21, controls extensive migratory events in the immune system. CCR7-bearing dendritic cells can swarm into T-cell zones in lymph nodes, initiating the antigen presentation and T-cell response. Abnormal expression of CCR7 in dendritic cells will cause a series of inflammatory diseases due to the chaotic dendritic cell trafficking.	

Assay Data

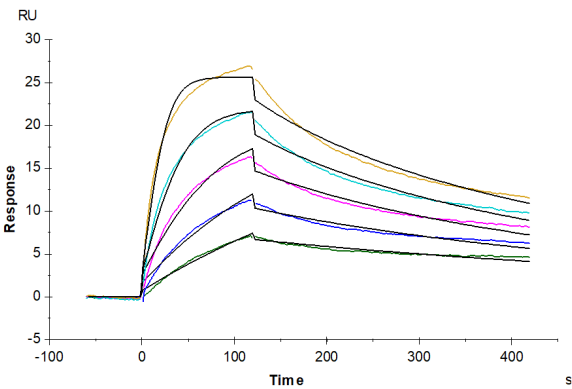
ELISA Data

Human CCR7 Nanodisc, His Tag ELISA
0.1µg Human CCR7 Nanodisc, His Tag Per Well



Immobilized Human CCR7 Nanodisc, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-CCR7 Antibody, hFc Tag with the EC50 of 49.2ng/ml determined by ELISA.

SPR Data



Human CCR7 Nanodisc, His Tag captured on CM5 Chip via Anti-his antibody can bind Anti-CCR7 Antibody, hFc Tag with an affinity constant of 4.11 nM as determined in SPR assay (Biacore T200).