Human CCR7 Protein-Nanodisc

Cat. No. CCR-HM107

Description

Source	Recombinant Human CCR7 Protein-Nanodisc is expressed from HEK293 with His tag at the C-terminus.
	It contains Met1-Pro378.
Accession	P32248
Molecular Weight	The protein has a predicted MW of 67.70 kDa.

Formulation and Storage

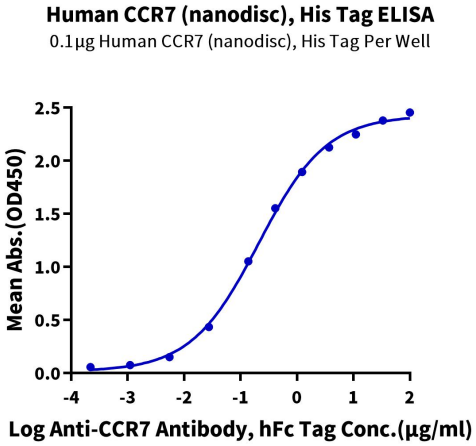
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

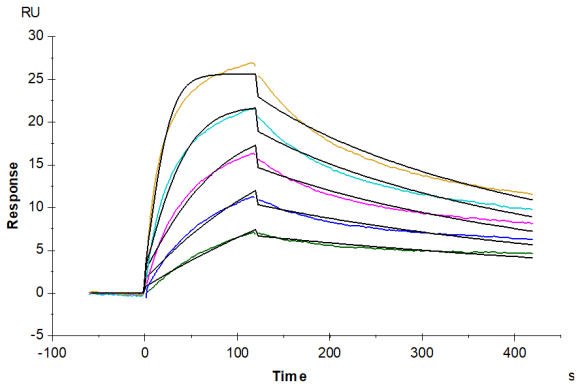
Assay Data

ELISA Data



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 0.21μg/ml determined by ELISA (QC Test).

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).