

Human CCR4 Nanodisc

Cat. No. CR4-HM1N122



Description	
Source	Recombinant Human CCR4 Nanodisc is expressed from HEK293 with His tag at the C-terminus (FITC-equivalent protein is fused on cytoplasmic part). It contains Met1-Leu360.
Accession	P51679
Molecular Weight	The protein has a predicted MW of 69.20 kDa.
Endotoxin	Less than 1 EU per µg by the LAL method.

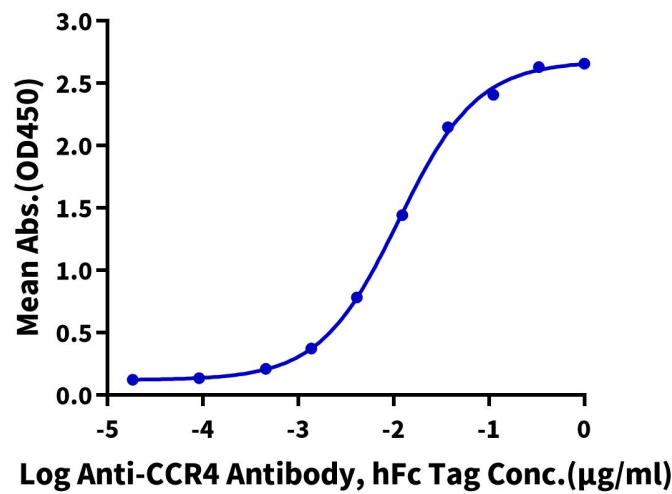
Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4) / PBS, 200mM L-arginine (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller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

Background	
CC chemokine receptor 4 (CCR4) is a chemokine receptor mainly expressed by T cells. CCR4 is important in the pathogenesis of many diseases, such as diabetes, multiple sclerosis, asthma, dermatitis, and cancer. This review briefly characterizes CCR4 and its ligands (CCL17, CCL22, and CCL2), and their contributions to immunological and neoplastic diseases.	

Assay Data	
ELISA Data	

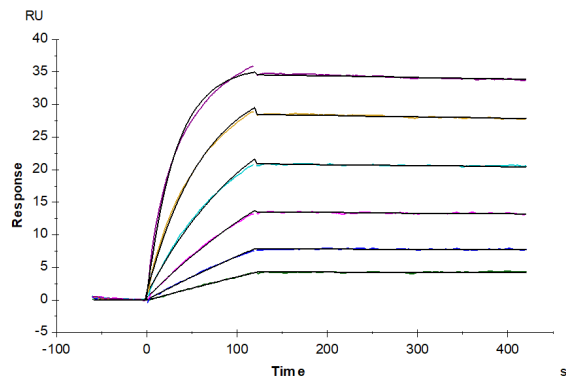
Human CCR4 Nanodisc, His Tag ELISA

0.1µg Human CCR4 Nanodisc, His Tag Per Well



Immobilized Human CCR4 Nanodisc, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-CCR4 Antibody, hFc Tag with the EC50 of 11.3ng/ml determined by ELISA.

SPR Data



Human CCR4 Nanodisc, His Tag captured on CM5 Chip via Anti-His Antibody can bind Anti-CCR4 Antibody, hFc Tag with an affinity constant of 0.22 nM as determined in SPR assay (Biacore T200).