Human CCR4 Protein-Nanodisc

Cat. No. CR4-HM1N122

Description

Source	Recombinant Human CCR4 Protein-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

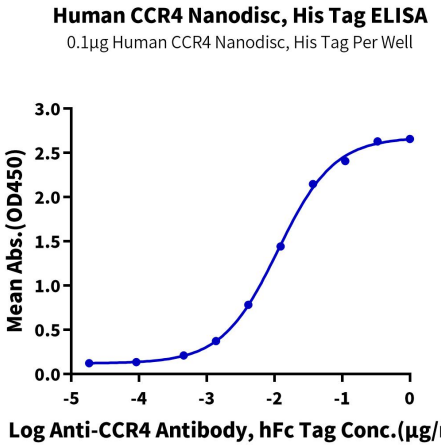
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4) / PBS, 200mM L-Arginine (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal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

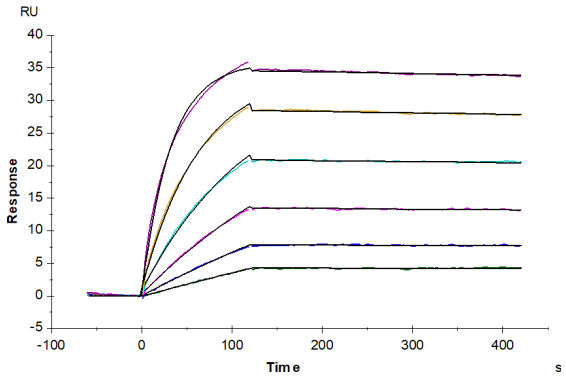
Assay Data

ELISA Data



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).