

Biotinylated Human CXCR6 Nanodisc

Cat. No. CXC-HM16NB

Description

Source	Recombinant Biotinylated Human CXCR6 Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Leu342.
Accession	O00574
Molecular Weight	The protein has a predicted MW of 52.2 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

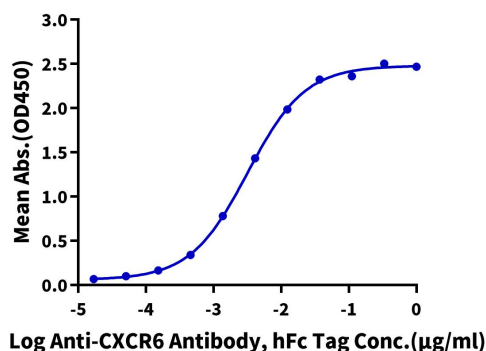
CXCR6 is a receptor for the chemokine CXCL16, which exists as a membrane or soluble form. CXCR6 is a marker for resident memory T (TRM) cells that plays a role in immunosurveillance through their interaction with epithelial cells. The interaction of CXCR6 with CXCL16 expressed at the membrane of certain subpopulations of intratumor dendritic cells (DC) called DC3, ideally positions these CXCR6+ T cells to receive a proliferation signal from IL-15 also presented by DC3.

Assay Data

ELISA Data

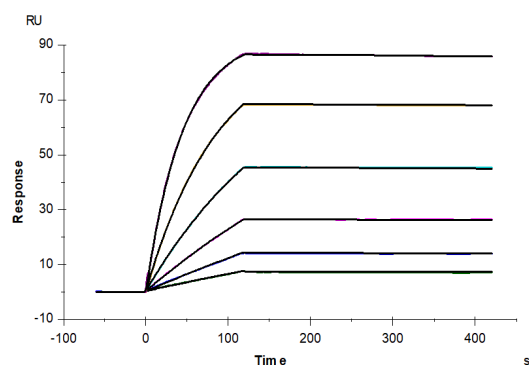
Biotinylated Human CXCR6 Nanodisc, His Tag ELISA

0.1µg Biotinylated Human CXCR6 Nanodisc, His Tag Per Well



Immobilized Biotinylated Human CXCR6 Nanodisc, His Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CXCR6 Antibody, hFc Tag with the EC50 of 3.2ng/ml determined by ELISA.

SPR Data



Biotinylated Human CXCR6 Nanodisc, His Tag captured on CM5 Chip via Streptavidin can bind Anti-CXCR6 Antibody, hFc Tag with an affinity constant of 5.96 pM as determined in SPR assay (Biacore S200).