

Biotinylated Human CD81 Nanodisc

Cat. No. CD8-HM18NB



Description

Source	Recombinant Biotinylated Human CD81 Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Tyr236.
Accession	P60033
Molecular Weight	The protein has a predicted MW of 38.9 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

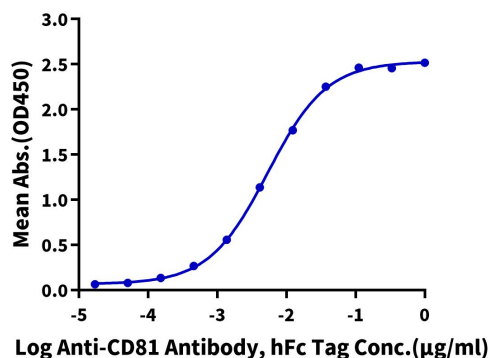
CD81 (TAPA-1) is a member of the tetraspanin family, a large group of evolutionary conserved membrane proteins containing 4 transmembrane domains. The most distinctive feature of the tetraspanin proteins is the ability to form lateral associations with one another and to cluster dynamically with multiple cell surface receptors. Tetraspanins are capable of recruiting specific intracellular signaling enzymes, including protein kinase C, that is known to be involved in integrin phosphorylation.

Assay Data

ELISA Data

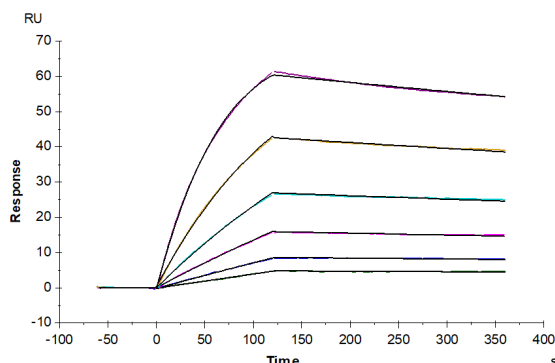
Biotinylated Human CD81 Nanodisc, His Tag ELISA

0.1µg Biotinylated Human CD81 Nanodisc, His Tag Per Well



Immobilized Biotinylated Human CD81 Nanodisc, His Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CD81 Antibody, hFc Tag with the EC50 of 5.4ng/ml determined by ELISA.

SPR Data



Biotinylated Human CD81 Nanodisc, His Tag captured on CM5 Chip via Streptavidin can bind Anti-CD81 Antibody, hFc Tag with an affinity constant of 2.38 nM as determined in SPR assay (Biacore T200).