

Biotinylated Human MRGPRX2 Nanodisc



Cat. No. MR2-HM10XN

Description	
Source	Recombinant Biotinylated Human MRGPRX2 Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Val330.
Accession	Q96LB1
Molecular Weight	The protein has a predicted MW of 50.1 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.

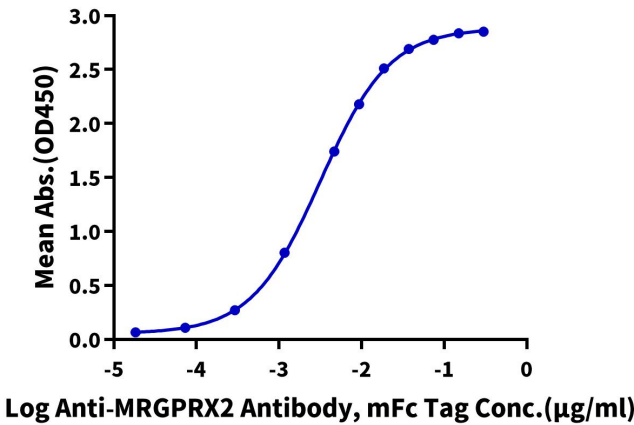
Background	
As receptor for multiple drugs, MRGPRX2 is crucial to drug-induced hypersensitivity. However, not only drugs, but also endogenous mediators like neuropeptides and host defense peptides activate MRGPRX2, suggesting its broad impact in cutaneous pathophysiology.	

Assay Data

ELISA Data

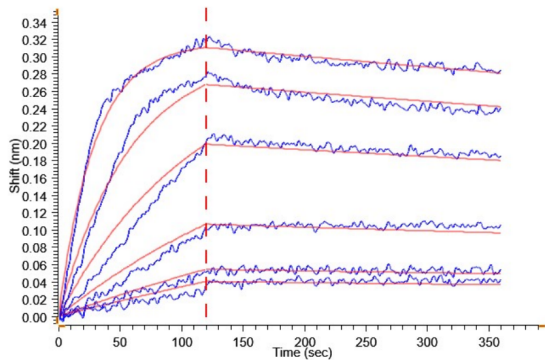
Biotinylated Human MRGPRX2 Nanodisc, His Tag ELISA

0.2µg Biotinylated Human MRGPRX2 Nanodisc, His Tag Per Well



Immobilized Biotinylated Human MRGPRX2 Nanodisc, His Tag at 2µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-MRGPRX2 Antibody, mFc Tag with the EC50 of 3.2ng/ml determined by ELISA (QC Test).

BLI Data



Loaded Biotinylated Human MRGPRX2 Nanodisc, His Tag on Streptavidin-Biosensor can bind Anti-MRGPRX2 Antibody, mFc Tag with an affinity constant of 0.25 nM as determined in BLI assay (Gator® Prime).