

# 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

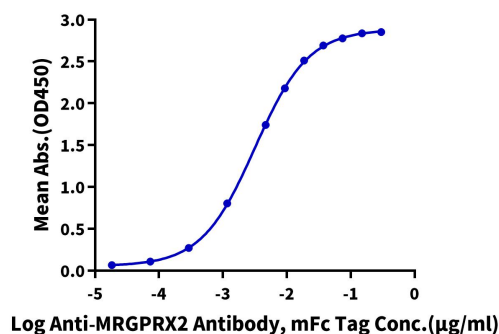
As receptor for multiple drugs, MRGPRX2 is crucial to drug-induced hypersensitivity. However, not only drugs, but also endogenous mediators like neuropeptides and host defense peptides activate MRGPRX2, suggesting its broad impact in cutaneous pathophysiology.

## Assay Data

### ELISA Data

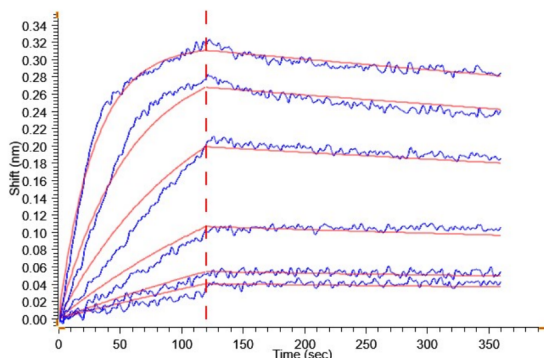
#### Biotinylated Human MRGPRX2 Nanodisc, His Tag ELISA

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 EC<sub>50</sub> 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).