

PRODUCT INFORMATION

Tag	C-Flag Tag
Expression Host	HEK293
Target	ADGRD1
Synonyms	GPR133; PGR25
Description	Human ADGRD1 full length protein-synthetic nanodisc
Uniprot ID	Q6QNK2
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length ADGRD1 protein has a MW of 96.5 kDa
Delivery	In Stock
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The adhesion G-protein-coupled receptors (GPCRs), including GPR133, are membrane-bound proteins with long N termini containing multiple domains. GPCRs, or GPRs, contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins.
Usage	Research use only
Conjugate	Unconjugated



ELISA assay to evaluate ADGRD1-Nanodisc 0.2 μ g Human ADGRD1-Nanodisc per well

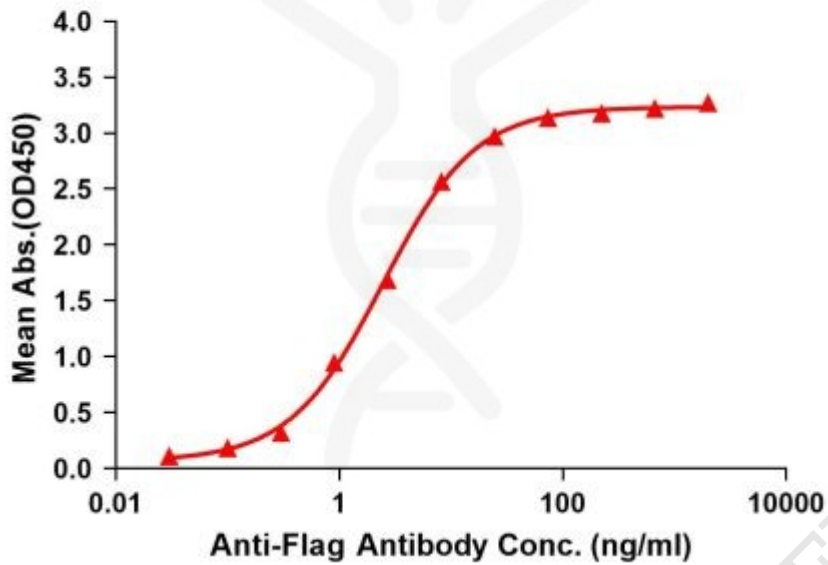


Figure1. Elisa plates were pre-coated with Flag Tag ADGRD1-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with ADGRD1-Nanodisc is 2.45ng/ml.



Figure2. Human ADGRD1-Nanodisc, Flag Tag on SDS-PAGE

