

PRODUCT INFORMATION

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| Target | ADGRD1 |
| Synonyms | GPR133; PGR25 |
| Description | Human ADGRD1 full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | Q6QNK2 |
| Expression Host | HEK293 |
| Protein Families | Druggable Genome, Transmembrane |
| Protein Pathways | N/A |
| Molecular Weight | The human full length ADGRD1 protein has a MW of 96.5 kDa |
| 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 pH lower than 6.5 in subsequent experiments. |
| 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 |



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

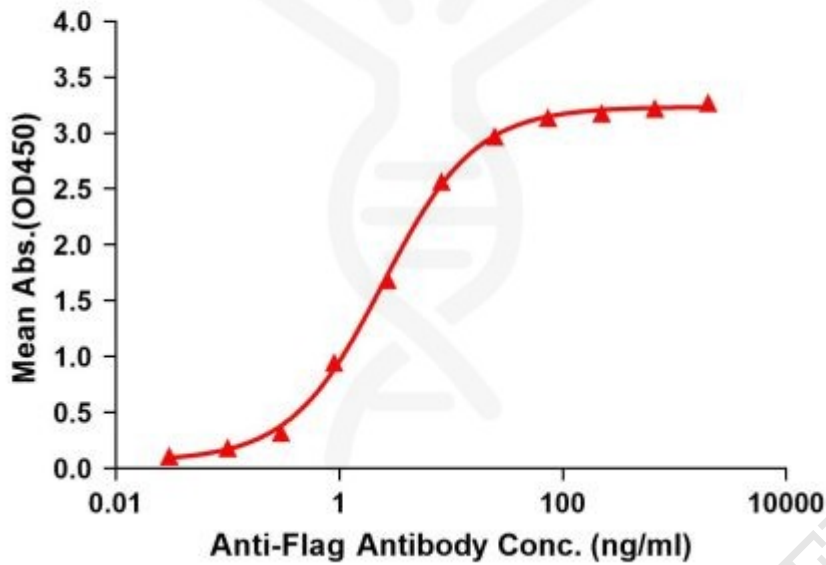


Figure1. Elisa plates were pre-coated with Flag Tag ADGRD1-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with ADGRD1-Nanodisc is 2.450ng/ml.



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

