

PRODUCT INFORMATION

| | |
|------------------------------|--|
| Tag | C-Flag Tag |
| Target | GPRC5D |
| Synonyms | GPRC5D |
| Description | Human GPRC5D full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | Q9NZD1 |
| Expression Host | HEK293 |
| Protein Families | GPCR |
| Protein Pathways | N/A |
| Molecular Weight | The human full length GPRC5D Protein has a MW of 38.6 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 of reconstitution. |
| 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 protein encoded by this gene is a member of the G protein-coupled receptor family. Recent studies demonstrate that GPRC5D is expressed on malignant bone marrow plasma cells, whereas normal tissue expression is limited to the hair follicle. It may represent a potential target for effector-cell-mediated therapy to treat plasma-cell disorders like MM. |
| Usage | Research use only |
| Conjugate | Unconjugated |



ELISA assay to evaluate GPRC5D-Nanodisc
0.5µg Human GPRC5D-Nanodisc per well

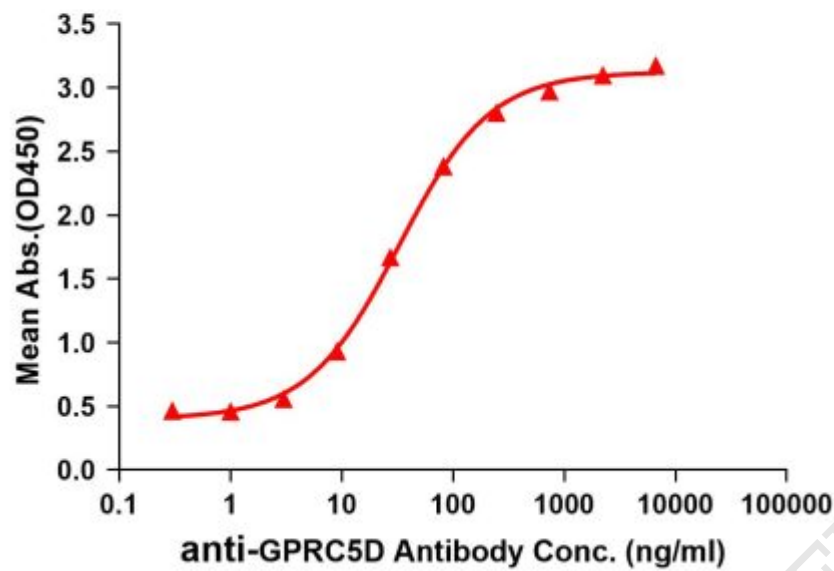


Figure1. Elisa plates were added with Flag Tag GPRC5D-Nanodisc (0.5µg/per well) on an anti-Flag monoclonal antibody pre-coated (0.5µg/per well) plate. Serial diluted anti-GPRC5D monoclonal antibody (DME100090) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-GPRC5D monoclonal antibody binding with GPRC5D-Nanodisc is 32.86ng/ml.



Figure2. Human GPRC5D-Nanodisc, Flag Tag on SDS-PAGE

