

PRODUCT INFORMATION

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|---|---|
| Tag | C-Flag Tag |
| Target | GPR55 |
| Synonyms | LPIR1 |
| Description | Human GPR55 full length protein-synthetic nanodisc |
| Delivery | 3-4 weeks |
| Uniprot ID | Q9Y2T6 |
| Expression Host | HEK293 |
| Protein Families | Druggable Genome, GPCR, Transmembrane |
| Protein Pathways | N/A |
| Molecular Weight | The human full length GPR55 protein has a MW of 36.6 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 | This gene belongs to the G-protein-coupled receptor superfamily. The encoded integral membrane protein is a likely cannabinoid receptor. It may be involved in several physiological and pathological processes by activating a variety of signal transduction pathways. [provided by RefSeq, Aug 2013] |
| Usage | Research use only |
| Conjugate | Unconjugated |



ELISA assay to evaluate GPR55-Nanodisc
0.2 μ g Human GPR55-Nanodisc per well

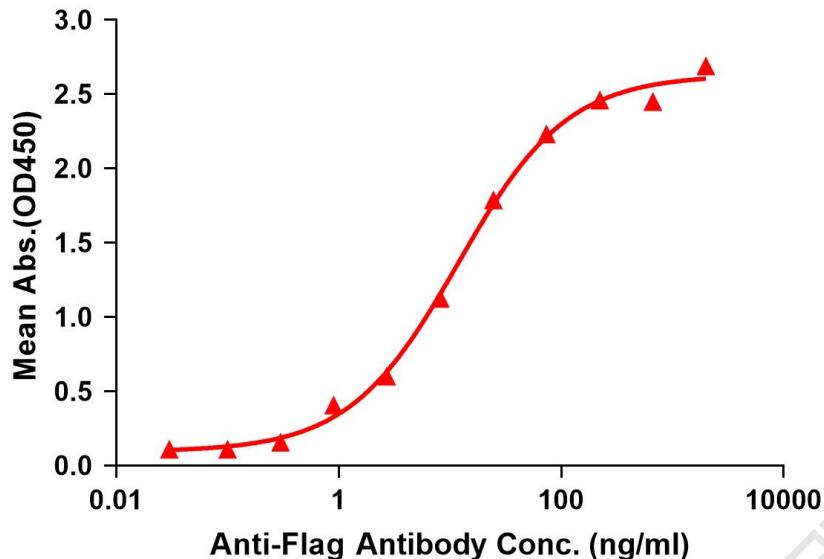


Figure1. Elisa plates were pre-coated with Flag Tag GPR55-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with GPR55-Nanodisc is 11.86ng/ml.

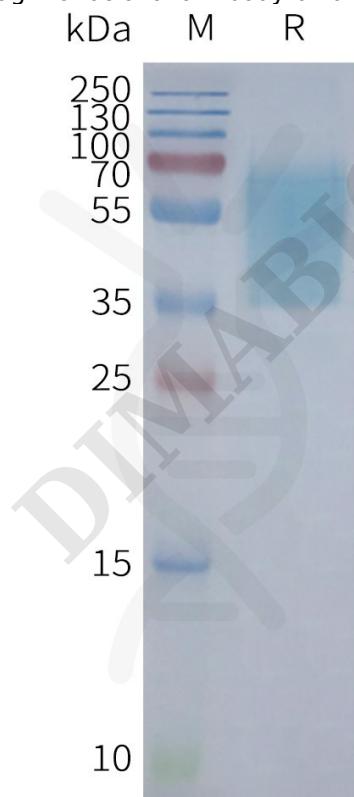


Figure2. Human GPR55-Nanodisc, Flag Tag on SDS-PAGE

