

PRODUCT INFORMATION

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|---|---|
| Tag | C-Flag Tag |
| Target | FZD4 |
| Synonyms | CD344; EVR1; FEVR; Fz-4; Fz4; FZD4S; FzE4; GPCR; hFz4 |
| Description | Human FZD4 full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | Q9ULV1 |
| Expression Host | HEK293 |
| Protein Families | Druggable Genome, GPCR, Transmembrane |
| Protein Pathways | Basal cell carcinoma, Colorectal cancer, Melanogenesis, Pathways in cancer, Wnt signaling pathway |
| Molecular Weight | The human full length FZD4 protein has a MW of 60.3 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 |
| 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 | A member of the frizzled gene family. Members of this family encode seven-transmembrane domain proteins that are receptors for the Wingless type MMTV integration site family of signaling proteins. Most frizzled receptors are coupled to the beta-catenin canonical signaling pathway. This protein may play a role as a positive regulator of the Wingless type MMTV integration site signaling pathway. A transcript variant retaining intronic sequence and encoding a shorter isoform has been described, however, its expression is not supported by other experimental evidence. |
| Usage | Research use only |
| Conjugate | Unconjugated |



ELISA assay to evaluate FZD4-Nanodisc 0.2 μ g Human FZD4-Nanodisc per well

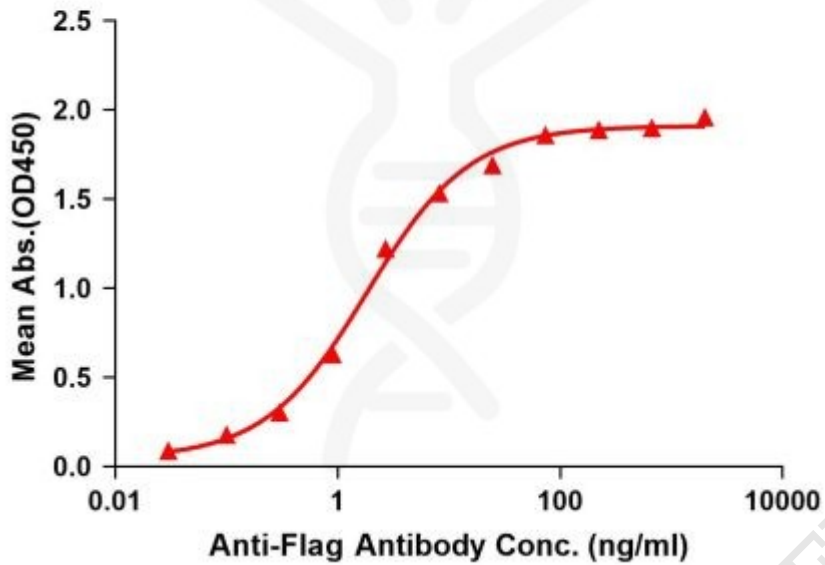


Figure1. Elisa plates were pre-coated with Flag Tag FZD4-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with FZD4-Nanodisc is 1.843ng/ml.



Figure2. Human FZD4-Nanodisc, Flag Tag on SDS-PAGE

