

**PRODUCT INFORMATION**

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|---|---|
| <b>Tag</b>                              | C-Flag Tag  |
| <b>Target</b>                           | FZD4  |
| <b>Synonyms</b>                         | CD344; EVR1; FEVR; Fz-4; Fz4; FZD4S; FzE4; GPCR; hFz4   |
| <b>Description</b>                      | Human FZD4 full length protein-synthetic nanodisc   |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | Q9ULV1  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Protein Families</b>                 | Druggable Genome, GPCR, Transmembrane   |
| <b>Protein Pathways</b>                 | Basal cell carcinoma, Colorectal cancer, Melanogenesis, Pathways in cancer, Wnt signaling pathway   |
| <b>Molecular Weight</b>                 | The human full length FZD4 protein has a MW of 60.3 kDa   |
| <b>Formulation &amp; Reconstitution</b> | 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.  |
| <b>Storage&amp;Shipping</b>             | 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.   |
| <b>Background</b>                       | 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. |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |



### ELISA assay to evaluate FZD4-Nanodisc 0.2 $\mu$ g Human FZD4-Nanodisc per well

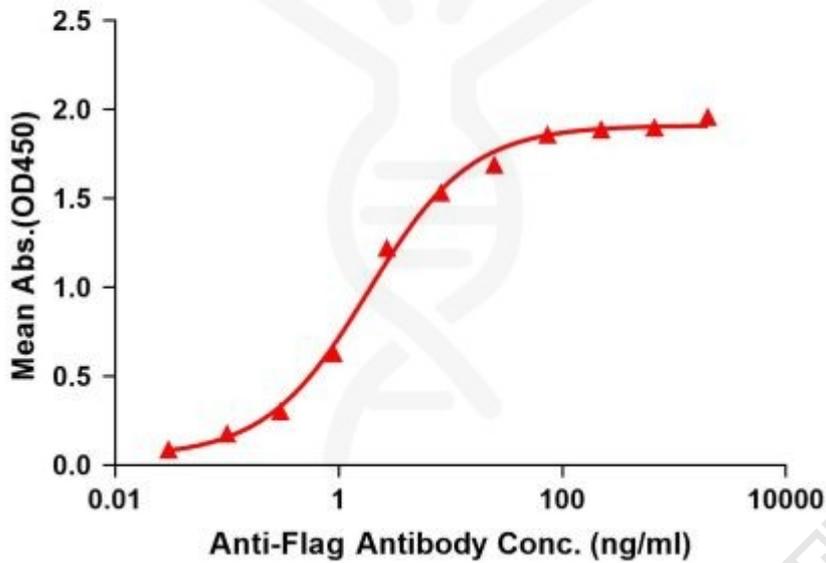


Figure1. Elisa plates were pre-coated with Flag Tag FZD4-Nanodisc (0.2 $\mu$ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with FZD4-Nanodisc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



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

