

PRODUCT INFORMATION

Tag	C-Flag Tag
Expression Host	HEK293
Target	FZD10
Synonyms	CD350; FZ-10; Fz10; FzE7; hFz10
Description	Human FZD10 full length protein-synthetic nanodisc
Uniprot ID	Q9ULW2
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 FZD10 protein has a MW of 65.3 kDa
Delivery	In Stock
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 a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
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 7-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. Using array analysis, expression of this intronless gene is significantly up-regulated in two cases of primary colon cancer.
Usage	Research use only
Conjugate	Unconjugated



ELISA assay to evaluate FZD10-Nanodisc 0.2 μ g Human FZD10-Nanodisc per well

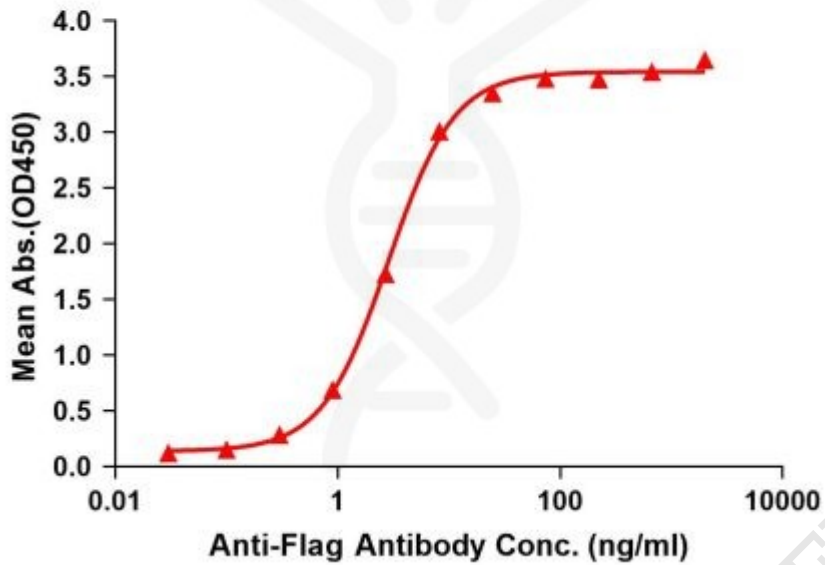


Figure1. Elisa plates were pre-coated with Flag Tag FZD10-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with FZD10-Nanodisc is 2.854ng/ml.



Figure2. Human FZD10-Nanodisc, Flag Tag on SDS-PAGE

