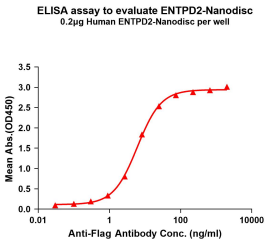
# Synthetic Nanodisc Human ENTPD2 Protein (A318449)

## Specifications:

| | |
|---|---|
| Name: | Synthetic Nanodisc Human ENTPD2 Protein |
| Description: | Synthetic nanodiscs offer a stable and biologically relevant environment that closely mimics cell membranes and enables full-length transmembrane human ENTPD2 protein to be purified and analysed in vitro. |
| Applications: | ELISA, SDS-PAGE |
| Expression System: | HEK293 cells |
| Nature: | Synthetic |
| Protein Species: | Human |
| Protein Length: | Full length protein. |
| Tag: | C-terminal Flag Tag |
| Molecular Weight: | Full length human ENTPD2 protein has a MW of 53.7 kDa. |
| Conjugate: | Unconjugated |
| Product Form: | Lyophilized |
| Concentration: | Reconstitution dependent. |
| Formulation: | Lyophilized from nanodisc solubilization buffer (20mM Tris-HCl, 150mM NaCl, pH 8.0). Normally 5%-8% Trehalose is added as a protectant before lyophilization. |
| Storage: | Shipped at 4°C. Lyophilized: Store at -20°C to -80°C. Reconstituted: Aliquot and store at -80°C. Product is stable for one year. Avoid freeze/thaw cycles. |
| Disclaimer: | This product is for research use only. It is not intended for diagnostic or therapeutic use. |

## Images:




ELISA plates were pre-coated with Synthetic Nanodisc Human ENTPD2 Protein (A318449) (0.2 μg/well). Serial diluted Anti-Flag Tag Antibody solutions were added, washed, and incubated with secondary antibody before ELISA reading. From this data, the EC50 for Anti-Flag Tag Antibody binding with ENTPD2-Nanodisc is 6.083 μg/ml.

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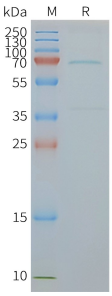
## Images continued:




Synthetic Nanodisc Human ENTPD2 Protein (A318449) on SDS-PAGE under reducing conditions.

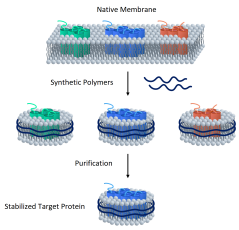



Diagram showing how synthetic nanodiscs containing full-length multi-pass transmembrane proteins in a phospholipid bilayer are generated from native cell membranes.