

**PRODUCT INFORMATION**

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|---|---|
| <b>Tag</b>                              | C-Flag Tag  |
| <b>Target</b>                           | TSPAN8  |
| <b>Synonyms</b>                         | CO-029; TM4SF3  |
| <b>Description</b>                      | Human TSPAN8 full length protein-synthetic nanodisc   |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | P19075  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Protein Families</b>                 | Transmembrane   |
| <b>Protein Pathways</b>                 | N.A.  |
| <b>Molecular Weight</b>                 | The human full length TSPAN8 protein has a MW of 26.0 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>                       | The protein is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This gene is expressed in different carcinomas. |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |



**ELISA assay to evaluate TSPAN8-Nanodisc**  
0.2µg Human TSPAN8-Nanodisc per well

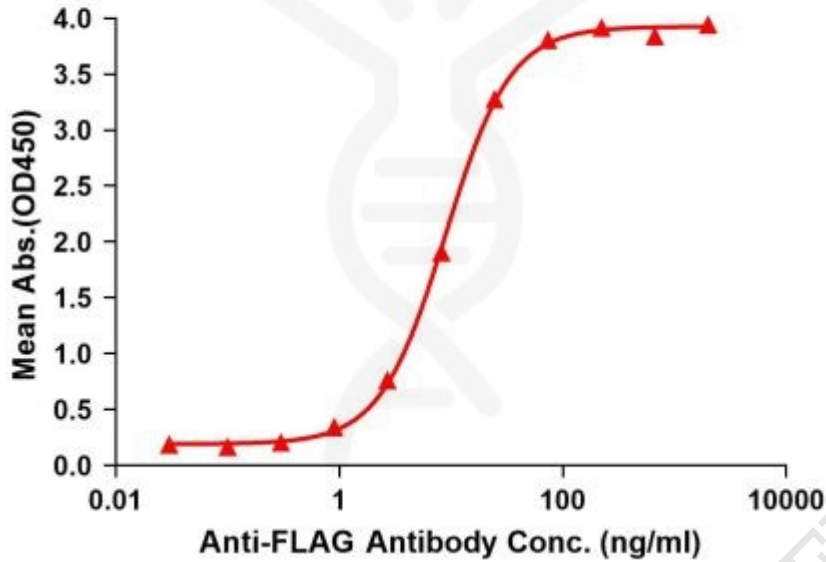


Figure1. Elisa plates were pre-coated with Flag Tag TSPAN8-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with TSPAN8-Nanodisc is 8.908ng/ml.



Figure2. Human TSPAN8-Nanodisc, Flag Tag on SDS-PAGE

