

PRODUCT INFORMATION

| | |
|---|--|
| Tag | C-Flag&Strep Tag |
| Expression Host | HEK293 |
| Target | TM4SF1 |
| Synonyms | M3S1, TAAL6 |
| Description | Human TM4SF1-Strep full length protein-synthetic nanodisc |
| Uniprot ID | P30408 |
| Protein Families | Transmembrane |
| Protein Pathways | N/A |
| Molecular Weight | The human full length TM4SF1-Strep protein has a MW of 21.6 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 | 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 antigen and is highly expressed in different carcinomas. |
| Usage | Research use only |
| Conjugate | Unconjugated |



ELISA assay to evaluate TM4SF1-Strep-Nanodisc 0.2 μ g Human TM4SF1-Strep-Nanodisc per well

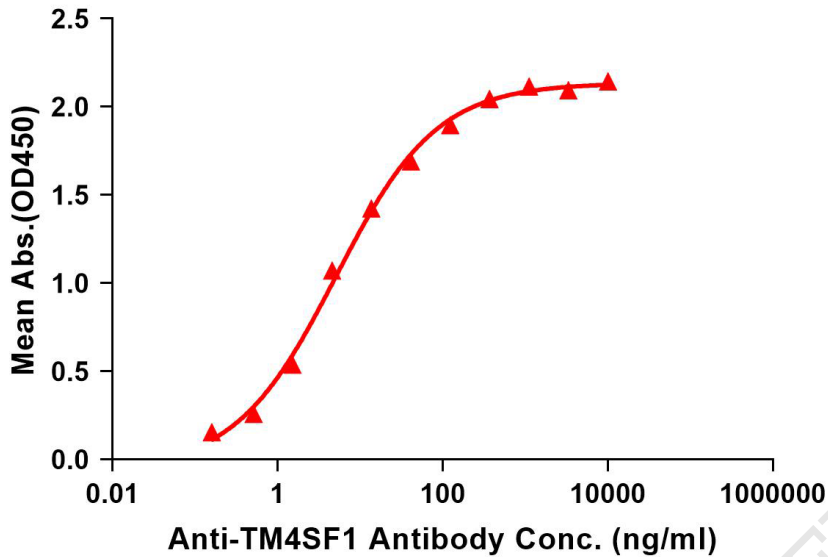


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag TM4SF1-Strep-Nanodisc (0.2 μ g/per well). Serial diluted anti-TM4SF1 monoclonal antibody (BME100159) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC₅₀ for anti-TM4SF1 monoclonal antibody binding with TM4SF1-Strep-Nanodisc is 5.082ng/ml.



Figure 2. Human TM4SF1-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

