

PRODUCT INFORMATION

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| Target | TM4SF1 |
| Synonyms | M3S1; TAAL6 |
| Description | Human TM4SF1 full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | P30408 |
| Expression Host | HEK293 |
| Protein Families | Transmembrane |
| Protein Pathways | N/A |
| Molecular Weight | The human full length TM4SF1 protein has a MW of 21.6 kDa |
| 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 pH lower than 6.5 in subsequent experiments. |
| 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 |



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

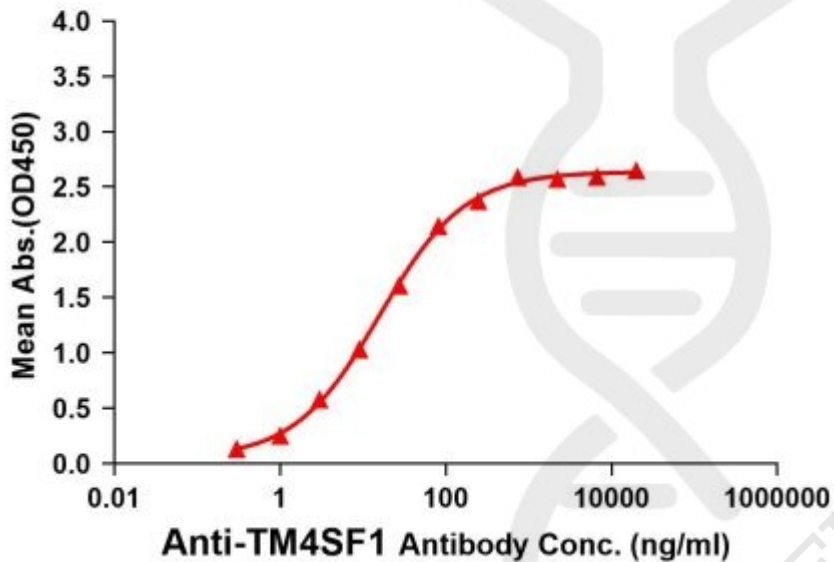


Figure1. Elisa plates were pre-coated with Flag Tag TM4SF1-Nanodisc (0.2 μ g/per well). Serial diluted anti-TM4SF1 monoclonal antibody (BME100159) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-TM4SF1 monoclonal antibody binding with TM4SF1-Nanodisc is 15.97ng/ml.



Figure2. Human TM4SF1-Nanodisc, Flag Tag on SDS-PAGE

