

PRODUCT INFORMATION

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| Target | TM4SF1 |
| Synonyms | M3S1; TAAL6 |
| Description | Human TM4SF1 full length protein membrane nanoparticles (MNPs) |
| 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 sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| 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-MNPs 0.5 μ g Human TM4SF1-MNPs per well

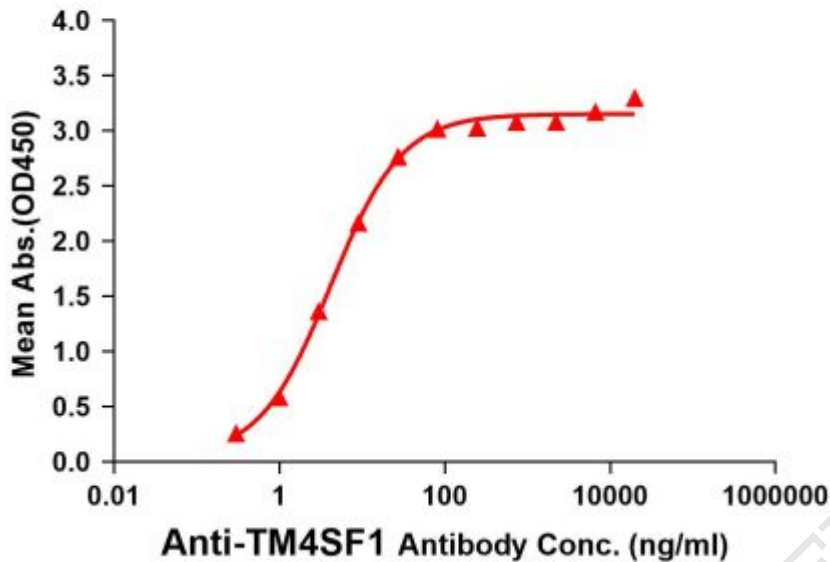


Figure1. Elisa plates were pre-coated with 0.5 μ g/per well purified human TM4SF1 full length membrane nanoparticles. Serial diluted anti-TM4SF1 monoclonal antibody (BME100159) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-TM4SF1 monoclonal antibody binding with TM4SF1 full length membrane nanoparticles is 4.174ng/ml.

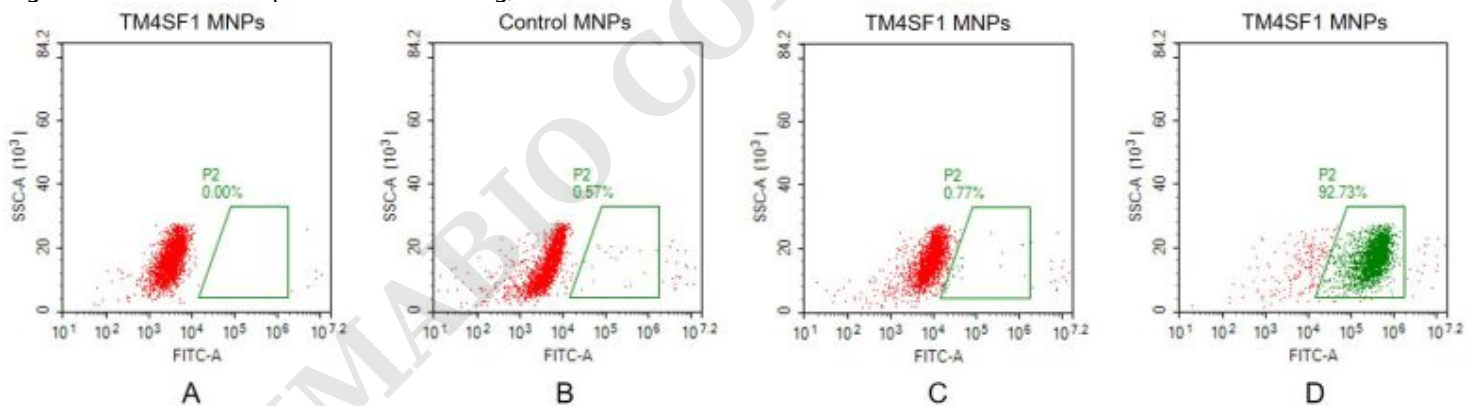


Figure2. FACS analysis of TM4SF1 MNPs

- A. Negative Control 1: TM4SF1 full length membrane nanoparticles samples were stained only with Goat anti-human IgG 488 secondary antibody.
- B. Negative Control 2: Control membrane nanoparticles samples were stained with anti-TM4SF1 antibody (BME100159) at 2 μ g/mL, followed by Goat anti-human IgG 488 secondary antibody.
- C. Negative Control 3: TM4SF1 full length membrane nanoparticles samples were stained with anti-CCR8 antibody (an irrelevant antibody) at 2 μ g/mL, followed by Goat anti-human IgG 488 secondary antibody.
- D. TM4SF1 full length membrane nanoparticles samples were stained with anti-TM4SF1 antibody (BME100159) at 2 μ g/mL, followed by Goat anti-human IgG 488 secondary antibody.

