Human TM4SF1 full length protein-MNP

Cat. No. FLP100021

PRODUCT INFORMATION

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

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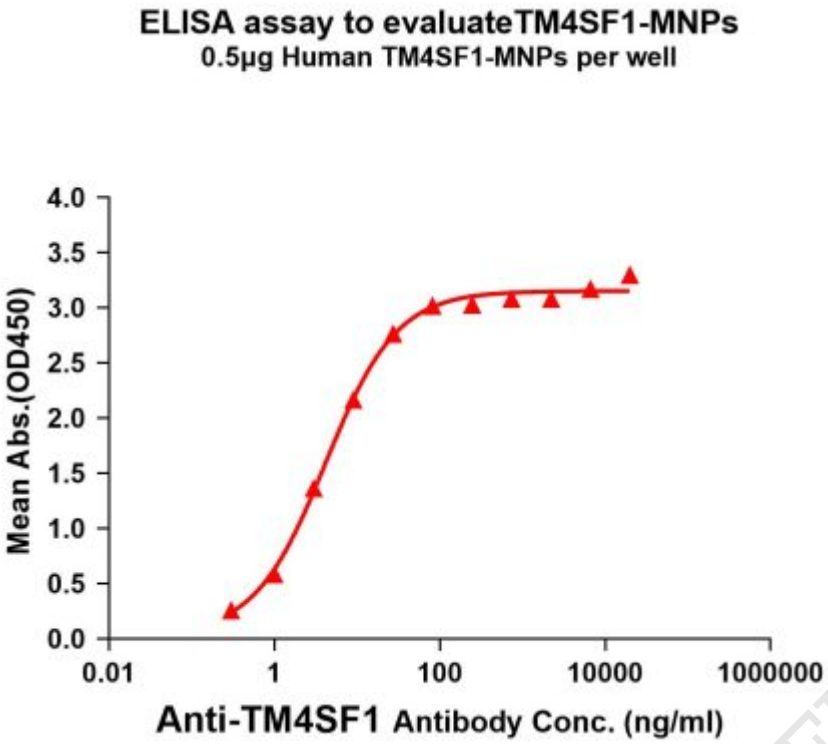


Figure1. Elisa plates were pre-coated with 0.5μg/per well purified human TM4SF1 full length membrane nanoparticles. Serial diluted anti-TM4SF1 monoclonal antibody (BME100159) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-TM4SF1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

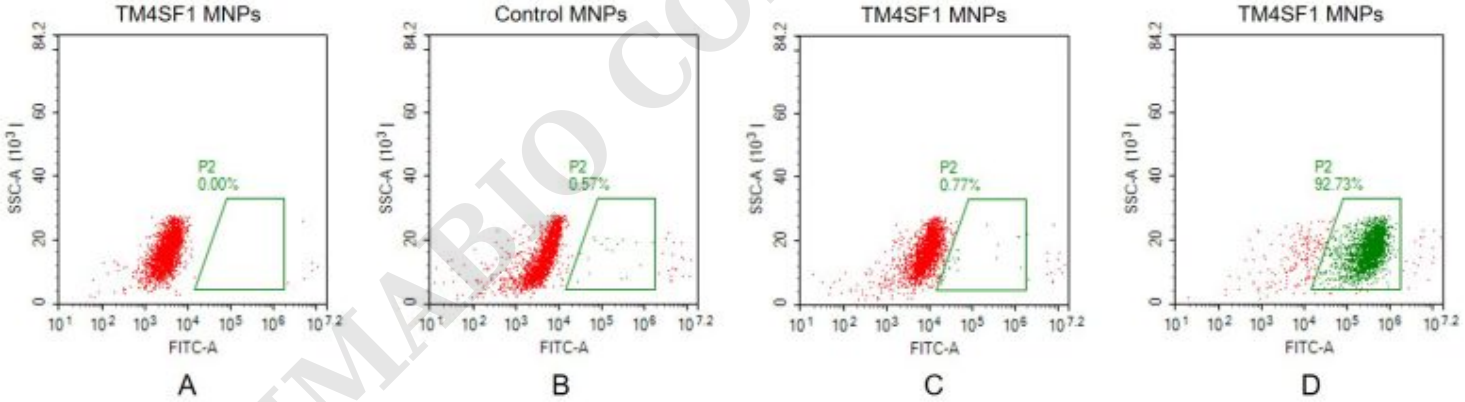


Figure2. FACS analysis of TM4SF1 MNPs
A. Negative Control 1: TM4SF1 full length membrane nanoparticles samples were stained only with Goat anti-human IgG 488 secondary antibody.
B. Negative Control 2: Control membrane nanoparticles samples were stained with anti-TM4SF1 antibody (BME100159) at 2μg/mL, 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 2μg/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 2μg/mL, followed by Goat anti-human IgG 488 secondary antibody.

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