

HUMAN TM4SF1 FULL LENGTH PROTEIN

Cat.#: 12231

Product Name: Human TM4SF1 Full Length Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: M3S1; TAAL6

Target: TM4SF1

UNIPROT ID: P30408

Description: Human TM4SF1 full length protein membrane nanoparticles (MNPs)

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.

Species/Host: HEK293

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.

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.

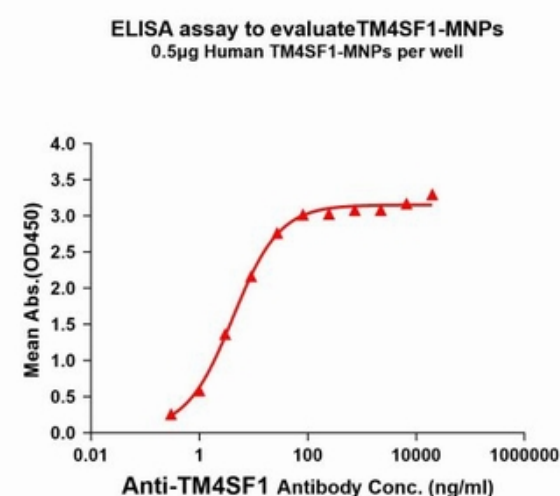


Figure1. Elisa plates were pre-coated with 0.5 µg/per well purified human TM4SF1 full length membrane nanoparticles. Serial diluted anti-TM4SF1 monoclonal antibody (28151) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC₅₀ for anti-TM4SF1 monoclonal antibody binding with TM4SF1 full length membrane nanoparticles is 4.174ng/ml.

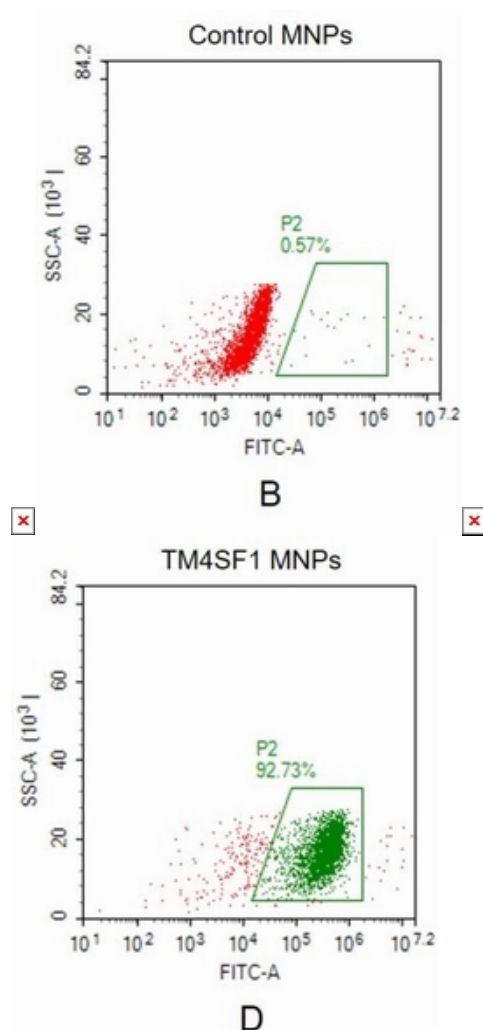


Figure2. FACS analysis of TM4SF1 MNPs A. Negative Control 1: TM4SF1 full length membrane nanoparticles samples were stained only with Goat anti-human IgG 488 secondary antibody. B. Negative Control 2: Control membrane nanoparticles samples were stained with anti-TM4SF1 antibody (28151) at 2µg/ml, followed 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 (28151) at 2µg/ml, followed by Goat anti-human IgG 488 secondary antibody.

