

HUMAN TM4SF1 FULL LENGTH PROTEIN

Cat.#: 11006

Product Name: Human TM4SF1 Full Length Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: M3SI; TAAL6

Target: TM4SF1

UNIPROT ID: P30408

Description: Human TM4SF1 full length protein-synthetic nanodisc

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.

ELISA assay to evaluate TM4SF1-Nanodisc
0.2µg Human TM4SF1-Nanodisc per well

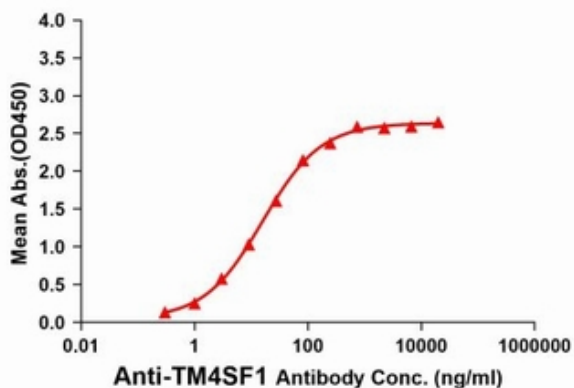


Figure1. Elisa plates were pre-coated with Flag Tag TM4SF1-Nanodisc (0.2 µg/per well). Serial diluted anti-TM4SF1 monoclonal antibody (28151) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-TM4SF1 monoclonal antibody binding with TM4SF1-Nanodisc is 15.97ng/ml.

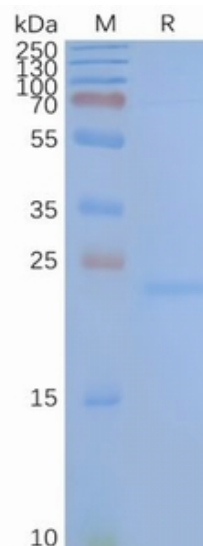


Figure2. Human TM4SF1-Nanodisc, Flag Tag on SDS-PAGE