

PRODUCT INFORMATION

Common Name	AGX101
Synonyms	M3S1;TAAL6
Applications	Flow Cyt
Recommended Dilutions	Flow Cyt 1:100
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.
Host Species	Humanized
IgG type	IgG1
Reactivity	Human
Target	TM4SF1
Uniprot ID	P30408
Description	Anti-TM4SF1 (AGX101 biosimilar) mAb
Delivery	In Stock
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	Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
Usage	Research use only. All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement.
Conjugate	Unconjugated



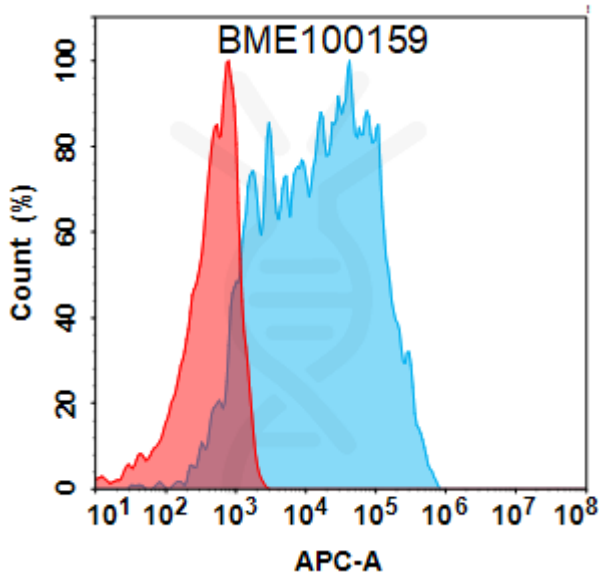


Figure 1. Flow cytometry analysis with 1 $\mu\text{g}/\text{mL}$ Anti-TM4SF1 (AGX101 biosimilar) mAb (BME100159) on Expi293 cells transfected with Human TM4SF1 protein (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

ELISA assay to evaluate TM4SF1-MNPs

0.5 μg Human TM4SF1-MNPs per well

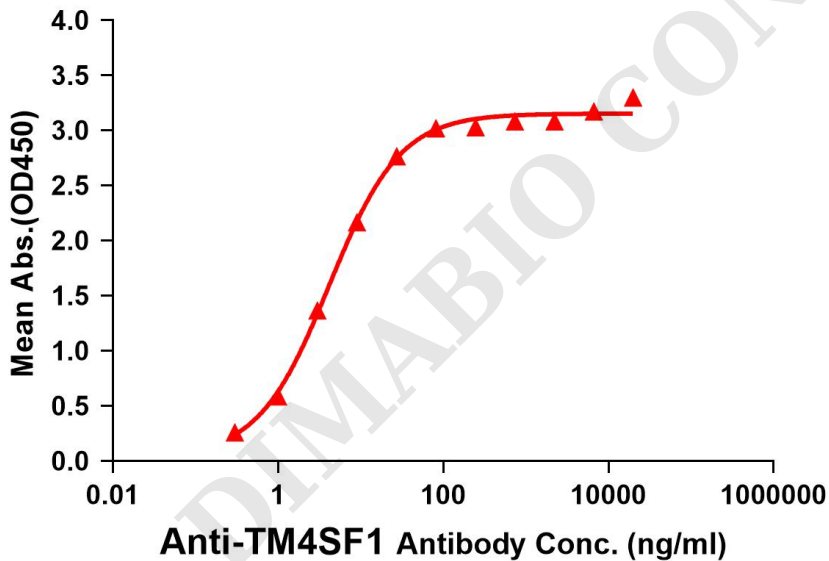


Figure 2. ELISA plates were pre-coated with 0.5 $\mu\text{g}/\text{well}$ purified human TM4SF1 full length membrane nanoparticles (Cat# FLP100021). Serial diluted Anti-TM4SF1 (AGX101 biosimilar) mAb (Cat# BME100159) solutions were added, washed, and incubated with secondary antibody before ELISA reading. From above data, the EC50 for Anti-TM4SF1 (AGX101 biosimilar) mAb binding with TM4SF1 MNPs (Cat# FLP100021) is 4.174 ng/ml.



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

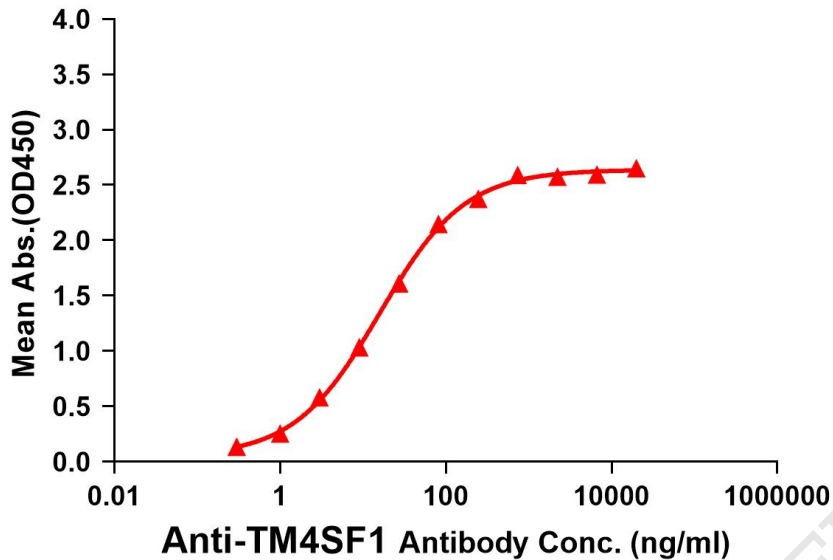


Figure 3. ELISA plates were pre-coated with Flag Tag TM4SF1-Nanodisc (Cat# FLP100022, 0.2µg/per well). Serial diluted Anti-TM4SF1 (AGX101 biosimilar) mAb (Cat# BME100159) were added, washed, and incubated with secondary antibody before ELISA reading. From above data, the EC50 for Anti-TM4SF1 (AGX101 biosimilar) mAb (Cat# BME100159) binding with TM4SF1-Nanodisc (Cat# FLP100022) is 15.97ng/ml.

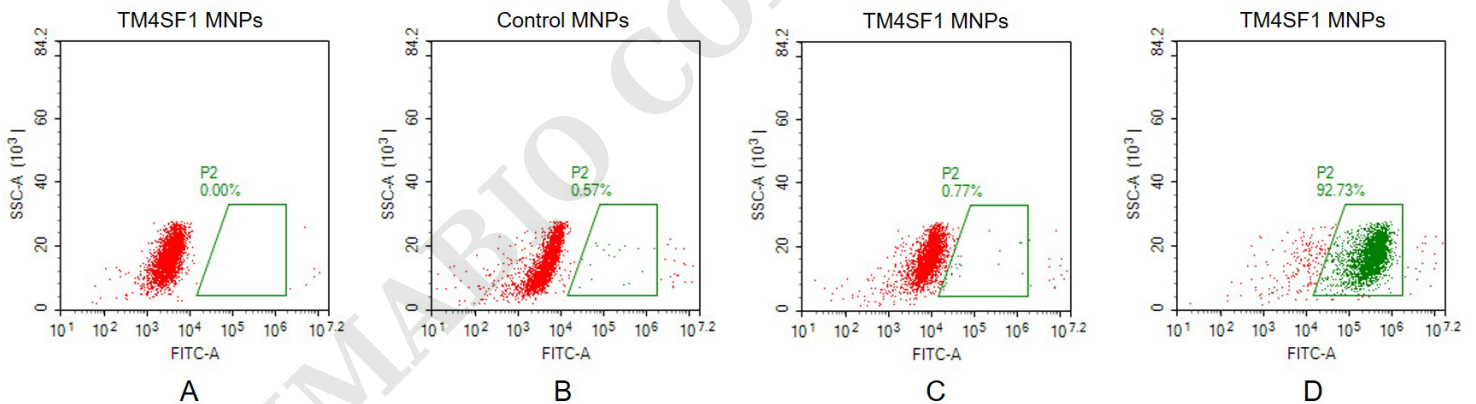


Figure 4. FACS analysis of TM4SF1 MNPs (Cat# FLP100021)

A. TM4SF1 MNP (Cat# FLP100021) were stained only with Goat anti-human 2nd antibody.

B. Negative control MNP samples were stained with Anti-TM4SF1 (AGX101 biosimilar) mAb (Cat# BME100159) at 2µg/mL, followed by Goat anti-human IgG 488 secondary antibody.

C. TM4SF1 MNP (Cat# FLP100021) samples were stained with anti-CCR8 antibody (an irrelevant antibody) at 2µg/mL, followed by Goat anti-human 2nd antibody.

D. TM4SF1 MNP (Cat# FLP100021) samples were stained with Anti-TM4SF1 (AGX101 biosimilar) mAb (Cat# BME100159) at 2µg/mL, followed by Goat anti-human 2nd antibody.

