

PRODUCT INFORMATION

Common Name	AGX101
Synonyms	M3S1;TAAL6
Conjugate	Unconjugated
Applications	Flow Cyt
Endotoxin	Less than 1.0 EU/ μ g by the LAL method. For <1 EU/mg requirements, please contact us for customization.
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	Human IgG1 - kappa
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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μ m) prior to use.
Background	Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
Usage	Research use only



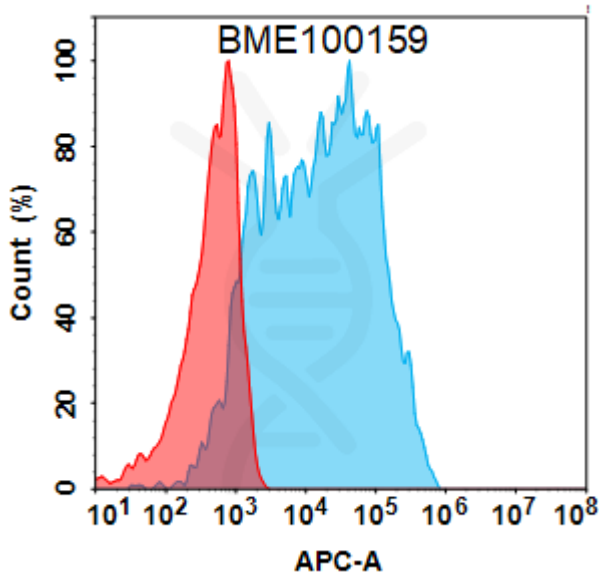


Figure 1. Flow cytometry analysis with 1 $\mu\text{g}/\text{mL}$ Anti-TM4SF1 (AGX101 biosimilar) mAb (BME100159) on HEK293 cells transfected with Human TM4SF1 protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

ELISA assay to evaluate TM4SF1-MNPs

0.5 μg Human TM4SF1-MNPs per well

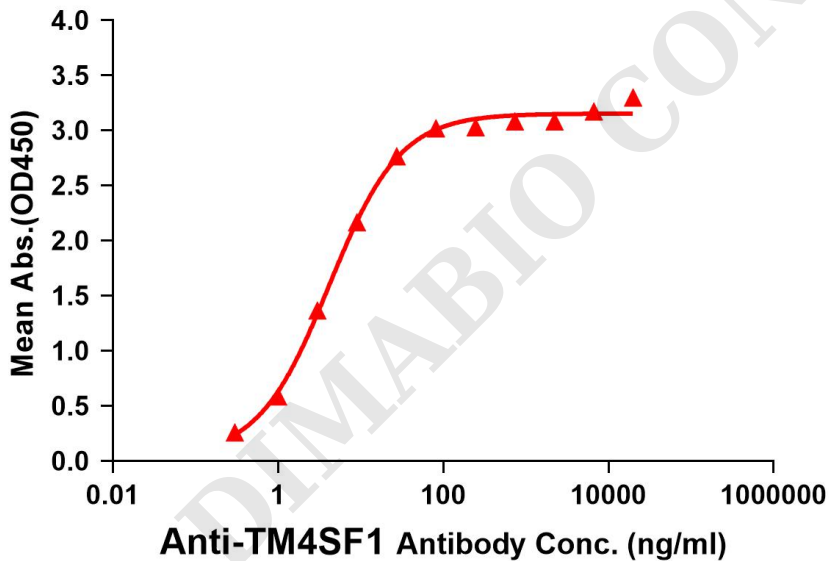


Figure 2. ELISA plates were pre-coated with 0.5 $\mu\text{g}/\text{well}$ purified human TM4SF1 full length membrane nanoparticles (Cat# FLP100021). Serial diluted Anti-TM4SF1 (AGX101 biosimilar) mAb (Cat# BME100159) solutions were added, washed, and incubated with secondary antibody before ELISA reading.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

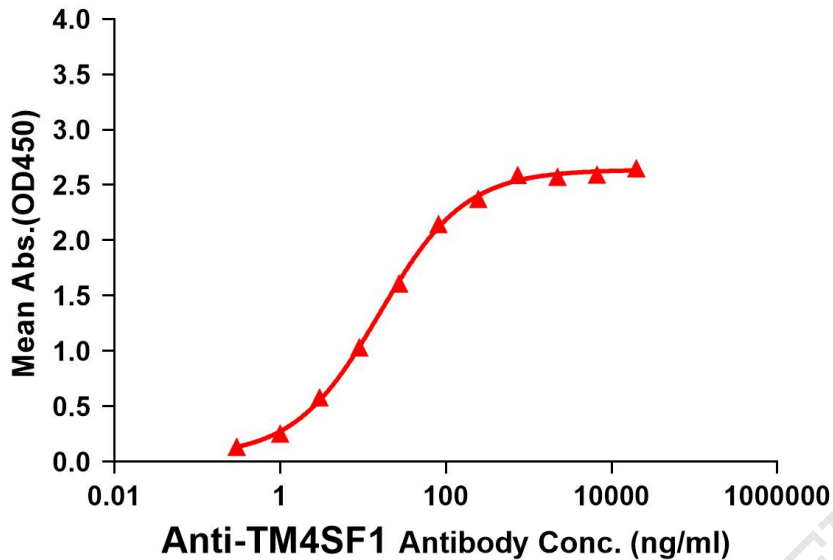


Figure 3. ELISA plates were pre-coated with Flag Tag TM4SF1-Nanodisc (Cat# FLP100022, 0.2µg/per well). Serial diluted Anti-TM4SF1 (AGX101 biosimilar) mAb (Cat# BME100159) were added, washed, and incubated with secondary antibody before ELISA reading. From above data, the EC50 for Anti-TM4SF1 (AGX101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

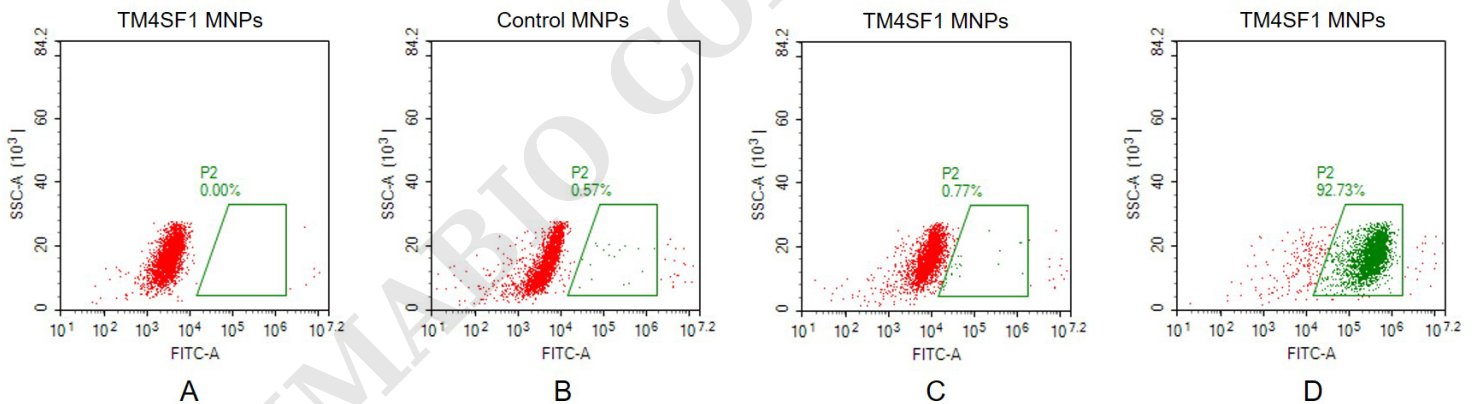


Figure 4. FACS analysis of TM4SF1 MNPs (Cat# FLP100021)

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.

