

## Product Datasheet

### TM4SF1 Biosimilar Antibody (orb1743394)

<b>Catalog Number</b>	orb1743394
<b>Category</b>	Antibodies
<b>Description</b>	Anti-TM4SF1 (AGX101 biosimilar) mAb
<b>Target</b>	TM4SF1
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Human Humanized
<b>Isotype</b>	Human IgG1 - kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Reconstitution</b>	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.
<b>Purification</b>	Purified from cell culture supernatant by affinity chromatography
<b>UniProt ID</b>	<b>P30408</b>
<b>Tested applications</b>	FC
<b>Dilution range</b>	Flow Cyt 1:100
<b>Antibody Type</b>	Biosimilar Antibody
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

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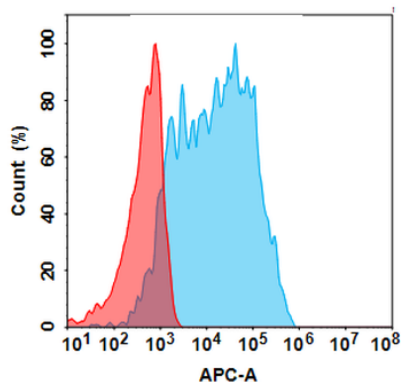
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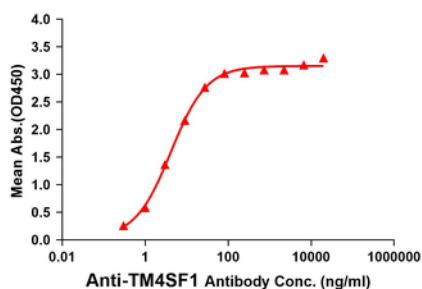
**Note** For research use only

**Expiration Date** 12 months from date of receipt.



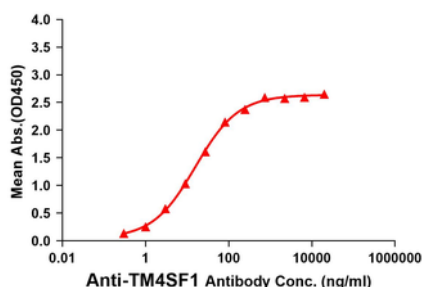
Flow cytometry analysis with 1 µg/mL Anti-TM4SF1 (AGX101 biosimilar) mAb (orb1743394) on Expi293 cells transfected with Human TM4SF1 protein (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

ELISA assay to evaluate TM4SF1-MNPs  
0.5µg Human TM4SF1-MNPs per well



ELISA plates were pre-coated with 0.5 µg/per well purified human TM4SF1 full length membrane nanoparticles (Cat# orb1743250). Serial diluted Anti-TM4SF1 (AGX101 biosimilar) mAb (Cat# orb1743394) 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# orb1743250) is 4.174 ng/ml.

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



ELISA plates were pre-coated with Flag Tag TM4SF1-Nanodisc (Cat# orb1743247, 0.2 µg/per well). Serial diluted Anti-TM4SF1 (AGX101 biosimilar) mAb (Cat# orb1743394) were added, washed, and incubated with secondary antibody before ELISA reading. From above data, the EC50 for Anti-TM4SF1 (AGX101 biosimilar) mAb (Cat# orb1743394) binding with TM4SF1-Nanodisc (Cat# orb1743247) is 15.97 ng/ml.

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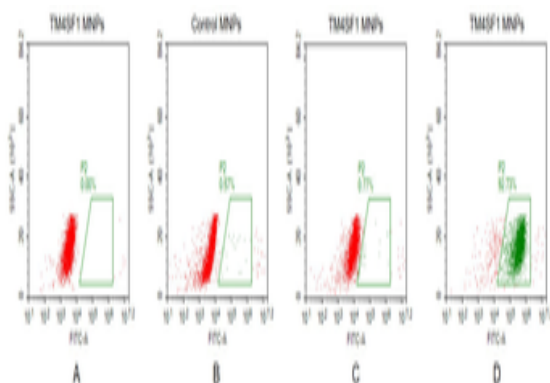
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FACS analysis of TM4SF1 MNPs (Cat# orb1743250).A. TM4SF1 MNP (Cat# orb1743250) were stained only with Goat anti-human 2nd antibody.B. Negative control MNP samples were stained with Anti-TM4SF1 (AGX101 biosimilar) mAb (Cat# orb1743394) at 2  $\mu$ g/mL, followed by Goat anti-human IgG 488 secondary antibody.C. TM4SF1 MNP (Cat# orb1743250) samples were stained with anti-CCR8 antibody (an irrelevant antibody) at 2  $\mu$ g/mL, followed by Goat anti-human 2nd antibody.D. TM4SF1 MNP (Cat# orb1743250) samples were stained with Anti-TM4SF1 (AGX101 biosimilar) mAb (Cat# orb1743394) at 2  $\mu$ g/mL, followed by Goat anti-human 2nd antibody.

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