

Rabbit anti-Human TM7SF3 Polyclonal Antibody | anti-TM7SF3 antibody

Anti-TM7SF3 Antibody Picoband

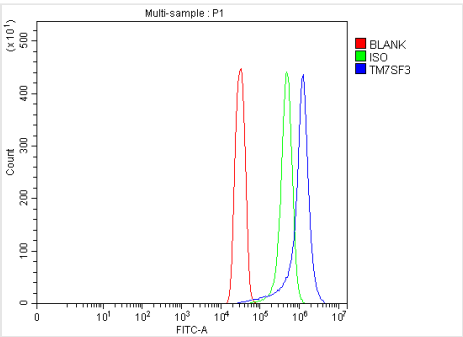
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126643	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

TM7SF3; Polyclonal Antibody; Anti-TM7SF3 Antibody Picoband; anti-TM7SF3 antibody

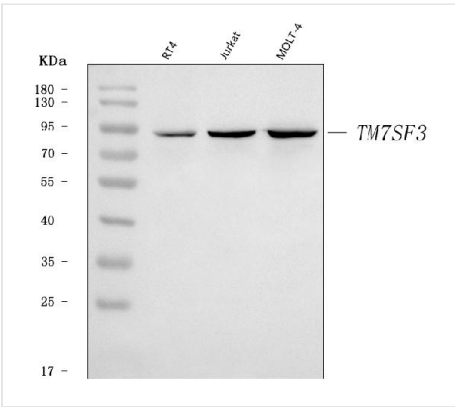
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-TM7SF3 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human TM7SF3 recombinant protein (Position: R102-R544).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of SiHa cells using anti-TM7SF3 antibody (AAA126643). Overlay histogram showing SiHa cells stained with AAA126643 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TM7SF3 Antibody (AAA126643, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of TM7SF3 using anti-TM7SF3 antibody (AAA126643). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human RT4 whole cell lysates, Lane 2: human Jurkat whole cell lysates, Lane 3: human MOLT-4 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TM7SF3 antigen affinity purified polyclonal antibody (#AAA126643) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TM7SF3 at approximately 85 kDa. The expected band size for TM7SF3 is at 64 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TM7SF3 antibody	Involved in cellular response to unfolded protein; negative regulation of programmed cell death; and positive regulation of insulin secretion. Located in plasma membrane.
Product Categories/Family for anti-TM7SF3 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706575
NCBI GeneID	51768
NCBI Accession #	NP_057635.1
NCBI GenBank Nucleotide #	NM_016551.2
UniProt Accession #	Q9NS93; Q9NUS4; B3KMZ3
Molecular Weight	64,166 Da
NCBI Official Full Name	transmembrane 7 superfamily member 3
NCBI Official Synonym Full Names	transmembrane 7 superfamily member 3
NCBI Official Symbol	TM7SF3
NCBI Protein Information	transmembrane 7 superfamily member 3; seven span transmembrane protein; seven transmembrane protein TM7SF3
UniProt Protein Name	Transmembrane 7 superfamily member 3
UniProt Gene Name	TM7SF3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/tm7sf3-antibody-flow-cytometry-western-blot-elisa/126643>