

## Rabbit anti-Mouse Tspan-8/Tspan8 Polyclonal Antibody | anti-Tspan8 antibody

Anti-Tspan-8/Tspan8 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                          |
|-----------|--------|------------|-------------------------------------------------------|
| AAA125783 | Rabbit | Mouse      | ELISA, Flow Cytometry, Functional Assay, Western Blot |

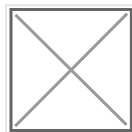
### PRODUCT SYNONYMS

Tspan-8/Tspan8; Polyclonal Antibody; Anti-Tspan-8/Tspan8 Antibody; TSPAN8; TM4SF3; Tetraspanin-8; Tspan-8; Transmembrane 4 superfamily member 3; Tumor-associated antigen CO-029; tetraspanin 8; anti-Tspan8 antibody

### PRODUCT SPECIFICATIONS

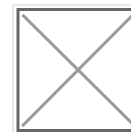
|                                                  |                                                                                                                                                                                                            |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                     |
| Reactivity                                       | Mouse                                                                                                                                                                                                      |
| Clonality                                        | Polyclonal                                                                                                                                                                                                 |
| Isotype                                          | Rabbit IgG                                                                                                                                                                                                 |
| Specificity                                      | Rabbit IgG polyclonal antibody for Tspan-8/Tspan8 detection.                                                                                                                                               |
| Purity/Purification                              | Immunogen affinity purified.                                                                                                                                                                               |
| Form/Format                                      | Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.005mg Na <sub>3</sub> .                                                                              |
| Applicable Applications for anti-Tspan8 antibody | ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)                                                                                                                                         |
| Immunogen                                        | E Coli-derived mouse Tspan-8/Tspan8 recombinant protein (Position: A108-N203).                                                                                                                             |
| Reconstitution                                   | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                       |
| Recommended Detection Systems                    | Recommended Detection Systems                                                                                                                                                                              |
| Preparation and Storage                          | Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing. |

### IMAGES



#### FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of RAW264. 7 cells using anti-Tspan-8/Tspan8 antibody (AAA125783). Overlay histogram showing RAW264. 7 cells stained with AAA125783 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Tspan-8/Tspan8 Antibody (AAA125783, 1µg/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight<sup>®</sup>488 conjugated goat anti-rabbit IgG (5-10µg/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1µg/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



#### WB (Western Blot)

Figure 1. Western blot analysis of Tspan-8/Tspan8 using anti-Tspan-8/Tspan8 antibody (AAA125783). 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 50ug of sample under reducing conditions. Lane 1: mouse stomach tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-Tspan-8/Tspan8 antigen affinity purified polyclonal antibody (Catalog # AAA125783) at 0.5 µg/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 Tspan-8/Tspan8 at approximately 34KD. The expected band size for Tspan-8/Tspan8 is at 34KD.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-Tspan8 antibody | Tetraspanin-8 is a protein that in humans is encoded by the TSPAN8 gene. The protein encoded by this gene 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 glycoprotein that is known to complex with integrins. This gene is expressed in different carcinomas. The use of alternate polyadenylation sites has been found for this gene. |
| References                                           | 1. Szala, S., Kasai, Y., Steplewski, Z., Rodeck, U., Koprowski, H., Linnenbach, A. J. Molecular cloning of cDNA for the human tumor-associated antigen CO-029 and identification of related transmembrane antigens. Proc. Nat. Acad. Sci. 87: 6833-6837, 1990.<br>2. Wellcome Trust Case Control Consortium. Genome-wide association study of CNVs in 16,000 cases of eight common diseases and 3,000 shared controls. Nature 464: 713-720, 2010.                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                               |
|----------------------------------|-------------------------------|
| NCBI GI #                        | 274316267                     |
| NCBI GeneID                      | 216350                        |
| NCBI Accession #                 | NP_001162150.1                |
| NCBI GenBank Nucleotide #        | NM_001168679.1                |
| UniProt Accession #              | Q8R3G9                        |
| Molecular Weight                 | 25,582 Da                     |
| NCBI Official Full Name          | tetraspanin-8                 |
| NCBI Official Synonym Full Names | tetraspanin 8                 |
| NCBI Official Symbol             | Tspan8                        |
| NCBI Official Synonym Symbols    | C76990; Tm4sf3; E330007O21Rik |
| NCBI Protein Information         | tetraspanin-8                 |
| UniProt Protein Name             | Tetraspanin-8                 |
| UniProt Gene Name                | Tspan8                        |
| UniProt Synonym Gene Names       | Tspan-8                       |
| UniProt Entry Name               | TSN8_MOUSE                    |

**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://stage.aaabiotech.com/polyclonal/tspan-8-tspan8-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125783>