

**TSPAN5 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9223b****Specification**

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**TSPAN5 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P62079](#)**TSPAN5 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 10098**Other Names**

Tetraspanin-5, Tspan-5, Tetraspan NET-4, Transmembrane 4 superfamily member 9, TSPAN5, TM4SF9

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9223b](/products/AP9223b) was selected from the C-term region of human TSPAN5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TSPAN5 Antibody (C-term) Blocking Peptide - Protein Information****Name** TSPAN5 ([HGNC:17753](#))**Synonyms** TM4SF9**Function**

Part of TspanC8 subgroup, composed of 6 members that interact with the transmembrane metalloprotease ADAM10. This interaction is required for ADAM10 exit from the endoplasmic reticulum and for enzymatic maturation and trafficking to the cell surface as well as substrate specificity. Different TspanC8/ADAM10 complexes have distinct substrates (PubMed: [28600292](http://www.uniprot.org/citations/28600292), PubMed: [26686862](http://www.uniprot.org/citations/26686862), PubMed: [37516108](http://www.uniprot.org/citations/37516108)). Promotes ADAM10-mediated cleavage of CD44 (PubMed: [26686862](http://www.uniprot.org/citations/26686862)). Seems to

regulate VE-cadherin expression in endothelial cells probably through interaction with ADAM10, promoting leukocyte transmigration (PubMed:<a href="http://www.uniprot.org/citations/28600292" target="\_blank">28600292</a>).

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**TSPAN5 Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**TSPAN5 Antibody (C-term) Blocking Peptide - Images****TSPAN5 Antibody (C-term) Blocking Peptide - Background**

The protein 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.

**TSPAN5 Antibody (C-term) Blocking Peptide - References**

Berditchevski,F. J. Cell. Sci. 114 (PT 23), 4143-4151 (2001)Serru,V., et.al., Biochim. Biophys. Acta 1478 (1), 159-163 (2000)