

**MS4A1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16973b****Specification**

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**MS4A1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P11836](#)**MS4A1 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 931

**Other Names**

B-lymphocyte antigen CD20, B-lymphocyte surface antigen B1, Bp35, Leukocyte surface antigen Leu-16, Membrane-spanning 4-domains subfamily A member 1, CD20, MS4A1, CD20

**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.

**MS4A1 Antibody (C-term) Blocking Peptide - Protein Information**

Name MS4A1

Synonyms CD20

**Function**

B-lymphocyte-specific membrane protein that plays a role in the regulation of cellular calcium influx necessary for the development, differentiation, and activation of B-lymphocytes (PubMed:<a href="http://www.uniprot.org/citations/3925015" target="\_blank">3925015</a>, PubMed:<a href="http://www.uniprot.org/citations/7684739" target="\_blank">7684739</a>, PubMed:<a href="http://www.uniprot.org/citations/12920111" target="\_blank">12920111</a>). Functions as a store-operated calcium (SOC) channel component promoting calcium influx after activation by the B-cell receptor/BCR (PubMed:<a href="http://www.uniprot.org/citations/7684739" target="\_blank">7684739</a>, PubMed:<a href="http://www.uniprot.org/citations/12920111" target="\_blank">12920111</a>, PubMed:<a href="http://www.uniprot.org/citations/18474602" target="\_blank">18474602</a>).

**Cellular Location**

Cell membrane; Multi-pass membrane protein. Cell membrane; Lipid-anchor. Note=Constitutively associated with membrane rafts.

**Tissue Location**

Expressed on B-cells.

**MS4A1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**MS4A1 Antibody (C-term) Blocking Peptide - Images****MS4A1 Antibody (C-term) Blocking Peptide - Background**

This gene encodes a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This gene encodes a B-lymphocyte surface molecule which plays a role in the development and differentiation of B-cells into plasma cells. This family member is localized to 11q12, among a cluster of family members. Alternative splicing of this gene results in two transcript variants which encode the same protein.

**MS4A1 Antibody (C-term) Blocking Peptide - References**

Weber, M.S., et al. Ann. Neurol. 68(3):369-383(2010) Wu, D., et al. Am. J. Clin. Pathol. 134(2):258-265(2010) de Haij, S., et al. Cancer Res. 70(8):3209-3217(2010) Beers, S.A., et al. Semin. Hematol. 47(2):107-114(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010)