

**Goat Anti-CD20 / MS4A1 (C Terminus) Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1214a

### Specification

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#### Goat Anti-CD20 / MS4A1 (C Terminus) Antibody - Product Information

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Application       | WB                                              |
| Primary Accession | <a href="#">P11836</a>                          |
| Other Accession   | <a href="#">NP_690605</a> , <a href="#">931</a> |
| Reactivity        | Human                                           |
| Host              | Goat                                            |
| Clonality         | Polyclonal                                      |
| Concentration     | 100ug/200ul                                     |
| Isotype           | IgG                                             |
| Calculated MW     | 33077                                           |

#### Goat Anti-CD20 / MS4A1 (C Terminus) Antibody - 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

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat Anti-CD20 / MS4A1 (C Terminus) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat Anti-CD20 / MS4A1 (C Terminus) Antibody - 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:[12920111](http://www.uniprot.org/citations/12920111)), PubMed:[3925015](http://www.uniprot.org/citations/3925015)), PubMed:[3925015](http://www.uniprot.org/citations/3925015)), PubMed:[3925015](http://www.uniprot.org/citations/3925015))

href="http://www.uniprot.org/citations/7684739" target="\_blank">7684739</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/12920111" target="\_blank">12920111</a>, PubMed:<a href="http://www.uniprot.org/citations/18474602" target="\_blank">18474602</a>, PubMed:<a href="http://www.uniprot.org/citations/7684739" target="\_blank">7684739</a>).

#### Cellular Location

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

#### Tissue Location

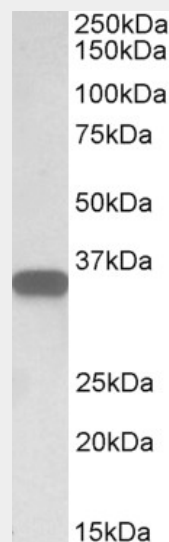
Expressed on B-cells.

### Goat Anti-CD20 / MS4A1 (C Terminus) Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Goat Anti-CD20 / MS4A1 (C Terminus) Antibody - Images



AF1214a (0.05 µg/ml) staining of Human Lymph Node lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-CD20 / MS4A1 (C Terminus) Antibody - 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.

#### **Goat Anti-CD20 / MS4A1 (C Terminus) Antibody - References**

Double-Hit mature B-cell lymphomas show a common immunophenotype by flow cytometry that includes decreased CD20 expression. Wu D, et al. *Am J Clin Pathol*, 2010 Aug. PMID 20660329.

In vivo cytotoxicity of type I CD20 antibodies critically depends on Fc receptor ITAM signaling. de Haij S, et al. *Cancer Res*, 2010 Apr 15. PMID 20354182.

CD20 as a target for therapeutic type I and II monoclonal antibodies. Beers SA, et al. *Semin Hematol*, 2010 Apr. PMID 20350657.

New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. *Genes Immun*, 2010 Apr. PMID 20237496.

CD20 deficiency in humans results in impaired T cell-independent antibody responses. Kuijpers TW, et al. *J Clin Invest*, 2010 Jan 4. PMID 20038800.