

## MS4A1 monoclonal antibody, clone B-Ly1 (APC)

Catalog # MAB5993

Size 100 Reactions

### Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against MS4A1.
<b>Immunogen</b>	Human MS4A1.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Specificity</b>	Specificity human CD20
<b>Form</b>	Liquid
<b>Conjugation</b>	APC
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	Flow Cytometry (10 ul/10 <sup>6</sup> cells) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Immunoprecipitation
- Flow Cytometry

## Gene Info — MS4A1

**Entrez GeneID** [931](#)

**Gene Name** MS4A1

**Gene Alias** B1, Bp35, CD20, LEU-16, MGC3969, MS4A2, S7

**Gene Description** membrane-spanning 4-domains, subfamily A, member 1

**Omim ID** [112210](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** 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. [provided by RefSeq]

**Other Designations** B-lymphocyte cell-surface antigen B1|CD20 antigen|CD20 receptor

## Publication Reference

- [CD20: a regulator of cell-cycle progression of B lymphocytes.](#)

Tedder TF, Engel P.

Immunology Today 1994 Sep; 15(9):450.

- [Isolation and structure of a cDNA encoding the B1 \(CD20\) cell-surface antigen of human B lymphocytes.](#)

Tedder TF, Streuli M, Schlossman SF, Saito H.

PNAS 1988 Jan; 85(1):208.

## Pathway

- [Hematopoietic cell lineage](#)

## Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Neoplasm Recurrence](#)
- [Ovarian cancer](#)