MS4A1 monoclonal antibody, clone B-Ly1 (Biotin)

Catalog # MAB5991 Size 100 Reactions

Specification

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

Applications

- Flow Cytometry
- Immunoprecipitation

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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

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Disease

- Breast cancer
- Breast Neoplasms
- Genetic Predisposition to Disease
- Lymphoma
- Neoplasm Recurrence
- Ovarian cancer

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