MS4A1 monoclonal antibody, clone B-Ly1 (PE/Cy7)

Catalog # MAB5995 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	PE/Cy7
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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