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Datasheet

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

Catalog Number: MAB5995

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against MS4A1.

Clone Name: B-Ly1

Immunogen: Human MS4A1.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt, IP
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

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.

Entrez GeneID: 931

Gene Symbol: MS4A1

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

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]

References:

1. CD20: a regulator of cell-cycle progression of B lymphocytes. Tedder TF, Engel P. Immunol Today. 1994 Sep;15(9):450-4.
2. 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. Proc Natl Acad Sci U S A. 1988 Jan;85(1):208-12.