

## Datasheet

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

MS4A2, S7

**Catalog Number:** MAB5997**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, IHC-Fr  
(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:** FITC**Isotype:** IgG1**Recommend Usage:** Flow Cytometry (10 ul/10<sup>6</sup> 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,

**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.