

Datasheet

MS4A1 monoclonal antibody, clone 2H7 (FITC)

Catalog Number: MAB9849

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against MS4A1.

Clone Name: 2H7

Immunogen: Human tonsillar B cells.

Host: Mouse

Theoretical MW (kDa): 33-37

Reactivity: Human, Non-Human Primates

Applications: Flow Cyt

(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: The mouse monoclonal antibody 2H7 recognizes MS4A1 (CD20), a 33-37 kDa non-glycosylated membrane receptor with four transmembrane domains, expressed on pre-B lymphocytes, resting and activated B cells (not plasma cells), follicular dendritic cells, and at low levels on peripheral blood T lymphocytes.

Form: Liquid

Conjugation: FITC

Isotype: IgG2b

Recommend Usage: Flow Cytometry (20 μ L reagent/100 μ L of whole blood or 10^6 cells)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS, pH 7.4 (0.02% BSA, 15 mM sodium azide)

Storage Instruction: Store in the dark at 4 °C. Avoid prolonged exposure to light. Do not freeze.

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]