

## Datasheet

### MS4A1 monoclonal antibody, clone 2H7 (FITC)

**Catalog Number:** MAB9849

**Regulatory 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 uL reagent/100 uL of whole blood or 10<sup>6</sup> cells)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS, pH 7.4 (0.02% BSA, 0.09% 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]