

MS4A1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant MS4A1. Catalog # AT2907a

Specification

MS4A1 Antibody (monoclonal) (M01) - Product Information

Application WB, E **Primary Accession** P11836 Other Accession BC002807 Reactivity Human Host mouse Clonality **Monoclonal** Isotype IgG1 Kappa Calculated MW 33077

MS4A1 Antibody (monoclonal) (M01) - Additional Information

Gene ID 931

Other Names

B-lymphocyte antigen CD20, B-lymphocyte surface antigen B1, Bp35, Leukocyte surface antigen Leu-16, Membrane-spanning 4-domains subfamily A member 1, CD20, MS4A1, CD20

Target/Specificity

MS4A1 (AAH02807, 210 a.a. \sim 297 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2.

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

MS4A1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

MS4A1 Antibody (monoclonal) (M01) - Protocols

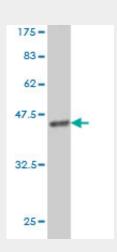
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

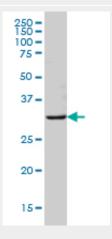


- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

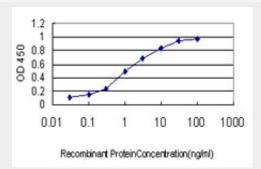
MS4A1 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.42 KDa).



MS4A1 monoclonal antibody (M01), clone 5C11 Western Blot analysis of MS4A1 expression in Hela S3 NE ((Cat # AT2907a)



Detection limit for recombinant GST tagged MS4A1 is approximately 0.1ng/ml as a capture antibody.



MS4A1 Antibody (monoclonal) (M01) - Background

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.

MS4A1 Antibody (monoclonal) (M01) - References

Double-Hit mature B-cell lymphomas show a common immunophenotype by flow cytometry that includes decreased CD20 expression. Wu D, et al. Am J Clin Pathol, 2010 Aug. PMID 20660329.In vivo cytotoxicity of type I CD20 antibodies critically depends on Fc receptor ITAM signaling. de Haij S, et al. Cancer Res, 2010 Apr 15. PMID 20354182.CD20 as a target for therapeutic type I and II monoclonal antibodies. Beers SA, et al. Semin Hematol, 2010 Apr. PMID 20350657.New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.CD20 deficiency in humans results in impaired T cell-independent antibody responses. Kuijpers TW, et al. J Clin Invest, 2010 Jan 4. PMID 20038800.