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MS4A1 Antibody (monoclonal) (M01)

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

Product Information

Application	WB, E
Primary Accession	P11836
Other Accession	BC002807
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	5C11
Calculated MW	33077

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. ~ 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.

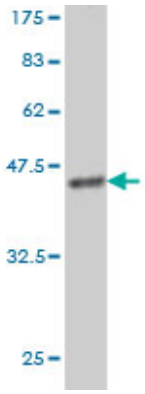
Background

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.

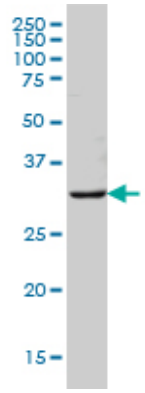
References

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.

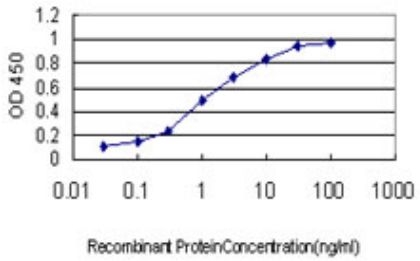
Images



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.