

Product datasheet for **UM800003CF**

CD20 (MS4A1) Mouse Monoclonal Antibody [Clone ID: UMAB39]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB39
Applications:	IHC
Recommended Dilution:	WB 1:2000, IHC 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MS4A1 (NP_068769) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	32.9 kDa
Gene Name:	membrane spanning 4-domains A1
Database Link:	NP_068769 Entrez Gene 931 Human P11836



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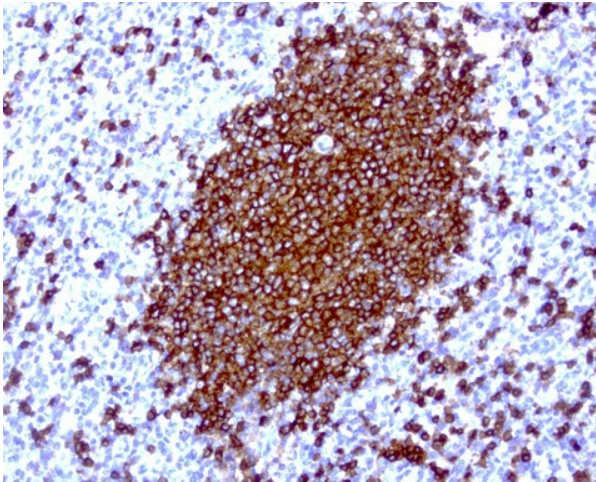
Background: This gene encodes a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This 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. [provided by RefSeq]

Synonyms: B1; Bp35; CD20; CVID5; FMC7; LEU-16; MS4A2; S7

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Hematopoietic cell lineage

Product images:



Immunohistochemical staining of paraffin-embedded human spleen using anti-CD20 clone UMAB39 mouse monoclonal antibody at 1:200 dilution of 1mg/mL and detection with Polink2 Broad HRP DAB. [UM800003] requires heat-induced epitope retrieval with Citrate pH6.0 for 3minutes at 110C in pressure chamber. The image shows the cells in the white pulp have strong cytoplasmic and membrane staining.