

Recombinant Anti-MS4A1 Antibody (V3S-1022-YC1341)

Cat. No.: V3S-1022-YC1341

Summary

Description	This product is a recombinant mouse antibody provided by CreativeBiolabs. The antibody is specific for Membrane Spanning 4-Domains A1, this gene encodes a member of the membrane-spanning 4A gene family. It can be used for MS4A1 detection in Enzyme-Linked Immunosorbent Assay, Flow Cytometry. It was expressed in mammalian cells (293F or CHO) with antibody encoding genes and purified by affinity chromatography. Each lot of this antibody is quality control tested by SDS-PAGE and SEC-HPLC analysis. For highly sensitive assays, we recommend the ultrapurified form of the product, which has a lower endotoxin limit than standard antibody, less than 1 EU/mg or even 0.1 EU/mg.
Clonality	Monoclonal
Host Species	Mouse
Target Species	Human
Isotype	IgG2b
Isotype Control	C21433
Secondary Antibody	C37557; C41360; C32672; C10001

Property

Expression Species	HEK293F or CHO Cell line
Conjugation	Unconjugated, also available for Biotin, HRP, FITC and PE-labeled form.
Purity	>95%, determined by SDS-PAGE and SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Purified with Protein A or G affinity chromatography
Sterility	0.2 µM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within one or two weeks. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Applications

Application ELISA; FC

Target

Target MS4A1

Alternative Name Membrane Spanning 4-Domains A1; Membrane-Spanning 4-Domains, Subfamily A, Member 1; Leukocyte Surface Antigen Leu-16; CD20 Antigen; CD20; Bp35; Membrane-Spanning 4-Domains Subfamily A Member 1; B-Lymphocyte Cell-Surface Antigen B1; B-Lymphocyte Surface Antigen B1

Gene ID [931](#)

UniProt [P11836](#)

Introduction 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 member of the membrane-spanning 4A gene family.

Research Area Immunology; Stem Cell

Proceedings of R&D Diseases associated with MS4A1 include Immunodeficiency, Common Variable, 5 and Common Variable Immunodeficiency. Among its related pathways are Hematopoietic Stem Cell Differentiation Pathways and Lineage-specific Markers and Hematopoietic cell lineage. Gene Ontology (GO) annotations related to this gene include epidermal growth factor receptor binding and MHC class II protein complex binding. An important paralog of this gene is MS4A8.

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