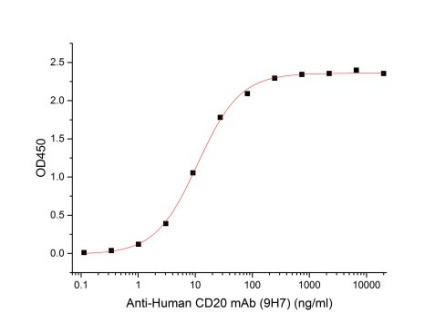
RecomAb™

MS4A1 recombinant monoclonal antibody (Rituximab)

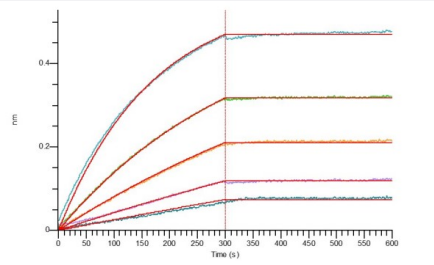
Catalog # RAB09714 Size 50 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized Human MS4A1-Flag at 2 ug/mL (100 uL/well) can bind MS4A1 recombinant monoclonal antibody (Cat# RAB09714). The ED_{50} of MS4A1 recombinant monoclonal antibody (Cat# RAB09714)) is 11.09 ng/mL .



Bio-layer interferometry

Loaded MS4A1 recombinant monoclonal antibody (Cat# RAB09714) on AHC Biosensor, can bind Human MS4A1-Flag with an affinity constant of 3.47 pM as determined in BLI assay.

Greater than 95% as determined by reducing SDS-PAGE.

Specification

Product Description	Recombinant human monoclonal antibody raised against human MS4A1.

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Host	Human
Theoretical MW (kDa)	49.3, 23.1
Form	Liquid
Preparation Method	Mammalian expression system
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin Level	< 1 EU/ug as determined by LAL test.
Isotype	Human IgG1
Regulatory Status	For research use only (RUO)
Recommend Usage	ELISA BLI assay The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (0.2 um filtered solution).
Storage Instruction	Store at -20°C. Avoid multiple freeze-thaw cycles.

Applications

- Enzyme-linked Immunoabsorbent Assay

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Gene Info — MS4A1

Entrez GeneID	931
Protein Accession#	P11836
Gene Name	MS4A1
Gene Alias	B1, Bp35, CD20, LEU-16, MGC3969, MS4A2, S7
Gene Description	membrane-spanning 4-domains, subfamily A, member 1

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Omim ID	112210
Gene Ontology	Hyperlink
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
Other Designations	B-lymphocyte cell-surface antigen B1|CD20 antigen|CD20 receptor

Pathway

- Hematopoietic cell lineage

Disease

- Breast cancer
- Breast Neoplasms
- Genetic Predisposition to Disease
- Lymphoma
- Neoplasm Recurrence
- Ovarian cancer

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