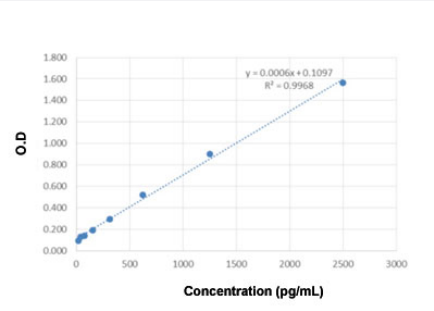
Anti-Rituximab recombinant monoclonal antibody, clone 194D7 (Biotin)

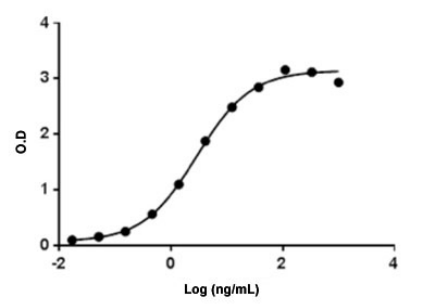
Catalog # RAB09594 Size 40 ug

Applications



Sandwich ELISA

The Sandwich ELISA assay is developed by using Anti-Rituximab monoclonal antibody, clone 137C6 (Cat # RAB09592) and Anti-Rituximab monoclonal antibody, clone 194D7 (Biotin) (Cat # RAB09594) as capture and detection antibody, respectively. The sensitivity of detecting Rituximab is about 30 pg/mL.



Enzyme-linked Immunoabsorbent Assay

Anti-Rituximab monoclonal antibody, clone 194D7 (Biotin) (Cat # RAB09594) binds with Rituximab. Coating antigen: Rituximab, 1 ug/mL. Anti-Rituximab monoclonal antibody, clone 194D7 (Biotin) dilution start from 1000 ng/mL. EC_{50}= 2.889 ng/mL. While the antibody does not recognize the human IgG Fc fragment (data not shown).

Specification

Product Description	Recombinant rabbit monoclonal antibody raised against Rituximab. Target gene is CD20.
Immunogen	Rituximab.
Host	Rabbit
Specificity	The product is specific for Rituximab. The antibody is recommended as a detection antibody in a pharmacokinetic (PK) bridging assay with capture antibody : Anti-Rituximab recombinant monoclonal antibody, clone 137C6 (Cat # RAB09592).

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Form	Lyophilized
Conjugation	Biotin
Preparation Method	The antibody is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a rabbit immunized with Rituximab.
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	ELISA (0.005-1 ug/mL (Direct/Indirect)) Sandwich ELISA The optimal working dilution should be determined by the end user.
Inhibitory IC50	Non-inhibitory
Storage Buffer	Lyophilized from PBS, pH 7.4 (1% BSA, 0.02% sodium azide).
Storage Instruction	Store at -20°C. The lyophilized product remains stable up to 1 year at -20°C from date of receipt. After reconstitution with deionized water (or equivalent) to a final concentration of 0.5 mg/mL, it can be stored for 2-3 weeks at 2-8°C or for up to 12 months at -20°C or below. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Sandwich ELISA

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Gene Info — MS4A1

Entrez GeneID	931
Gene Name	MS4A1
Gene Alias	B1, Bp35, CD20, LEU-16, MGC3969, MS4A2, S7

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Gene Description	membrane-spanning 4-domains, subfamily A, member 1
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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