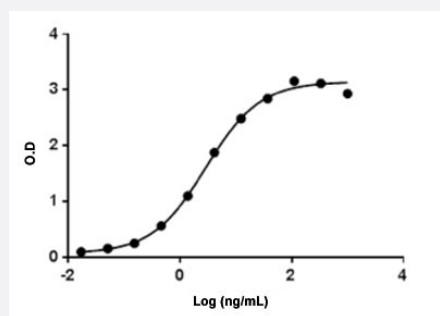


Anti-Rituximab monoclonal antibody, clone 194D7 (Biotin)

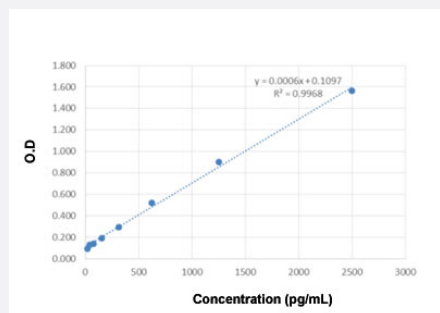
Catalog # MAB23084 Size 40 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Anti-Rituximab monoclonal antibody, clone 194D7 (Biotin) (Cat # MAB23084) 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).



Sandwich ELISA

The Sandwich ELISA assay is developed by using Anti-Rituximab monoclonal antibody, clone 137C6 (Cat # MAB23082) and Anti-Rituximab monoclonal antibody, clone 194D7 (Biotin) (Cat # MAB23084) as capture and detection antibody, respectively. The sensitivity of detecting Rituximab is about 30 pg/mL.

Specification

Product Description	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 monoclonal antibody, clone 137C6 (Cat # MAB23082).
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

- Enzyme-linked Immunoabsorbent Assay

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Gene Info — MS4A1

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