Anti-Rituximab monoclonal antibody, clone 194D7

Catalog # MAB23083 Size 40 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Anti-Rituximab monoclonal antibody, clone 194D7 (Cat # MAB23083) binds with Rituximab. Coating antigen: Rituximab, 1 ug/mL. Anti-Rituximab monoclonal antibody, clone 194D7 dilution start from 1000 ng/mL. EC_{50} = 1.618 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 (Cat # MAB23083) 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 ph armacokinetic (PK) bridging assay with capture antibody : Anti-Rituximab monoclonal antibody, clon e 137C6 (Cat # <u>MAB23082</u>).
Form	Lyophilized

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Product Information

Preparation Method	The antibody is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes o btained from a rabbit immunized with Rituximab.
Purification	Protein A purification
lsotype	lgG1
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 (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 b e 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 shoul d be handled by trained staff only.

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Gene Info — MS4A1

Entrez GenelD	<u>931</u>
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

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Product Information

Gene Ontology	<u>Hyperlink</u>
Gene Summary	This gene encodes a member of the membrane-spanning 4A gene family. Members of this nasce nt protein family are characterized by common structural features and similar intron/exon splice bo undaries and display unique expression patterns among hematopoietic cells and nonlymphoid tis sues. 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
- <u>Neoplasm Recurrence</u>
- Ovarian cancer