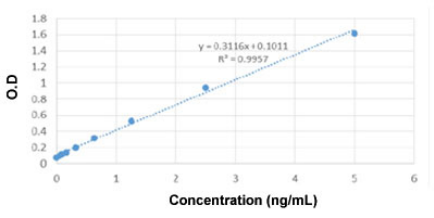
Anti-Obinutuzumab recombinant monoclonal antibody, clone 8G12

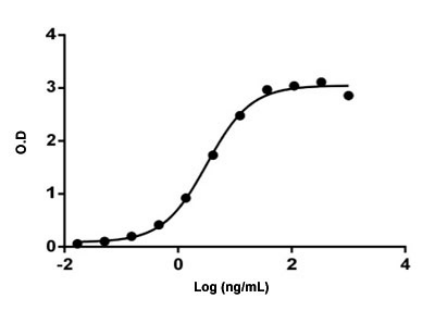
Catalog # RAB09619 Size 40 ug

Applications



Sandwich ELISA

The Sandwich ELISA assay is developed by using Anti-Obinutuzumab monoclonal antibody, clone 8G12 (Cat # RAB09619) and Anti-Obinutuzumab monoclonal antibody, clone 169F10 (Cat # RAB09620) as the capture and detection antibodies, respectively. These two antibodies recognize different epitopes. In this ELISA assay, Anti-Obinutuzumab monoclonal antibody, clone 169F10 was labeled with Biotin. The sensitivity is less than 100 pg/mL.



Enzyme-linked Immunoabsorbent Assay

ELISA binding of Anti-Obinutuzumab monoclonal antibody, clone 8G12 (Cat # RAB09619) with Obinutuzumab. Coating antigen: Obinutuzumab, 1 ug/mL. Anti-Obinutuzumab monoclonal antibody, clone 8G12 dilutions start from 2000 ng/mL. EC_{50} = 3.230 ng/mL. While the antibody does not recognize the human IgG (data not shown).

Specification

Product Description	Recombinant rabbit monoclonal antibody raised against Obinutuzumab. Target gene is CD20.
Immunogen	Obinutuzumab.
Host	Rabbit
Specificity	The antibody is recommended as a capture antibody in a pharmacokinetic (PK) bridging assay with detection antibody Anti-Obinutuzumab recombinant monoclonal antibody, clone 169F10 (Cat # RAB09620).
Form	Lyophilized

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Preparation Method	This antibody is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a rabbit immunized with Obinutuzumab.
Purification	Protein A purification
Isotype	IgG
Recommend Usage	ELISA (0.01-0.1 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 on dry atmospher. 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

  The Sandwich ELISA assay is developed by using Anti-Obinutuzumab monoclonal antibody, clone 8G12 (Cat # RAB09619) and Anti-Obinutuzumab monoclonal antibody, clone 169F10 (Cat # RAB09620) as the capture and detection antibodies, respectively. These two antibodies recognize different epitopes. In this ELISA assay, Anti-Obinutuzumab monoclonal antibody, clone 169F10 was labeled with Biotin. The sensitivity is less than 100 pg/mL.

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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

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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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