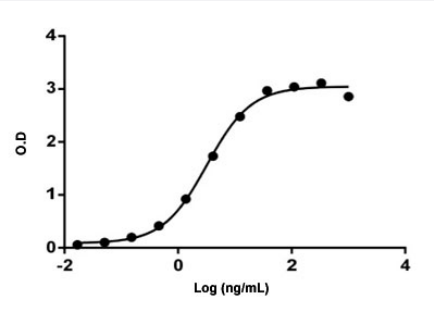
Anti-Obinutuzumab monoclonal antibody, clone 8G12

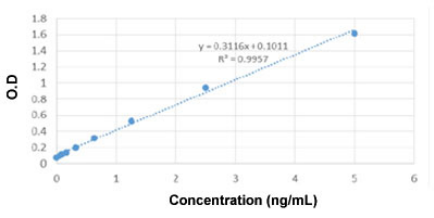
Catalog # MAB23112 Size 40 ug

Applications



Enzyme-linked Immunoabsorbent Assay

ELISA binding of Anti-Obinutuzumab monoclonal antibody, clone 8G12 (Cat # MAB23112) 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).



Sandwich ELISA

The Sandwich ELISA assay is developed by using Anti-Obinutuzumab monoclonal antibody, clone 8G12 (Cat # MAB23112) and Anti-Obinutuzumab monoclonal antibody, clone 169F10 (Cat # MAB23113) 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.

Specification

Product Description	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 monoclonal antibody, clone 169F10 (Cat # MAB23113).
Form	Lyophilized

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.

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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