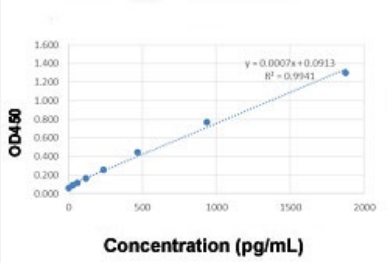
# Anti-Obinutuzumab recombinant monoclonal antibody, clone 18H8

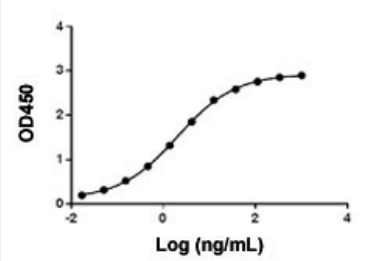
Catalog # RAB09636 Size 40 ug

## Applications




### Sandwich ELISA

Standard curve of Obinutuzumab Sandwich ELISA. The Obinutuzumab Sandwich ELISA assay is developed by using Anti-Obinutuzumab monoclonal antibody, clone 18H8 (Cat # RAB09636) and Anti-Obinutuzumab monoclonal antibody, clone 16B7 (Biotin) (Cat # RAB09638) as the capture and detection antibodies, respectively. The sensitivity of detecting Obinutuzumab is about 30 pg/mL.




### Enzyme-linked Immunoabsorbent Assay

Anti-Obinutuzumab monoclonal antibody, clone 18H8 (Cat # RAB09636) binds with Obinutuzumab. Coating antigen: Obinutuzumab, 1 ug/mL. Anti-Obinutuzumab monoclonal antibody, clone 18H8 (Cat # RAB09636) dilution start from 1000 ng/mL. $EC_{50}$ = 2.013 ng/mL. While the antibody does not recognize the human IgG Fc fragment (data not shown).

## Specification

| | |
|---|---|
| **Product Description** | Recombinant mouse monoclonal antibody raised against Obinutuzumab.<br>Target gene is CD20. |
| **Immunogen** | Obinutuzumab. |
| **Host** | Mouse |
| **Specificity** | The product is specific for Obinutuzumab. The antibody is recommended as a capture antibody in a pharmacokinetic (PK) bridging assay with detection antibody Anti-Obinutuzumab recombinant mono clonal antibody, clone 16B7 (Biotin) (Cat # RAB09638). |
| **Form** | Lyophilized |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Purification** | Protein A purification |
| **Isotype** | IgG1, kappa |
| **Recommend Usage** | ELISA (ELISA detection: 0.005-1 ug/mL) (Direct/Indirect ELISA)<br>Sandwich ELISA<br>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 atmosphere, lyophilized antibodies are stable at 1 years.<br>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.<br>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. |

## Applications

- Sandwich ELISA

  Standard curve of Obinutuzumab Sandwich ELISA. The Obinutuzumab Sandwich ELISA assay is developed by using Anti-Obinutuzumab monoclonal antibody, clone 18H8 (Cat # RAB09636) and Anti-Obinutuzumab monoclonal antibody, clone 16B7 (Biotin) (Cat # RAB09638) as the capture and detection antibodies, respectively. The sensitivity of detecting Obinutuzumab is about 30 pg/mL.

- Enzyme-linked Immunoabsorbent Assay

  Anti-Obinutuzumab monoclonal antibody, clone 18H8 (Cat # RAB09636) binds with Obinutuzumab. Coating antigen: Obinutuzumab, 1 ug/mL. Anti-Obinutuzumab monoclonal antibody, clone 18H8 (Cat # RAB09636) dilution start from 1000 ng/mL. $EC_{50}$ = 2.013 ng/mL. While the antibody does not recognize the human IgG Fc fragment (data not shown).

## 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 |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **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

Copyright © 2023 Abnova Corporation. All Rights Reserved.