

MonoRab™ Anti-Obinutuzumab Antibody (169F10), mAb, Rabbit

Cat. No.: A01967-40**Host:** Rabbit**Size:** 40 µg**Ig Subclass:** IgG**Clone:** 169F10**Immunogen:** Obinutuzumab**Purification:** Protein A affinity column**Conjugation:** Unconjugated**Version:** 05/04/2018

PRODUCT INFORMATION

Description

Obinutuzumab (Gazyva) is a humanized monoclonal antibody that is approved by the U.S. Food and Drug Administration for the treatment of chronic lymphocytic leukemia and follicular lymphoma. It binds to a unique conformation epitope on CD20 protein, which partially overlaps with the section recognized by rituximab. When Obinutuzumab binds to CD20 on B cells, it makes these cells to be destroyed by the adaptive immune system. **GenScript MonoRab™ Anti-Obinutuzumab Antibody (169F10), mAb, Rabbit** is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a rabbit immunized with Obinutuzumab.

Specificity

The antibody is recommended as a detection antibody in a pharmacokinetic (PK) bridging assay with capture antibody GenScript, A01966-40, MonoRab™ Anti-Obinutuzumab Antibody (8G12), mAb, Rabbit.

Concentration

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Note

GenScript can customize this product per the customer's request including product size, buffer components, etc.

Reconstitution

Reconstitute the lyophilized antibody with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.

Storage

The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

Applications

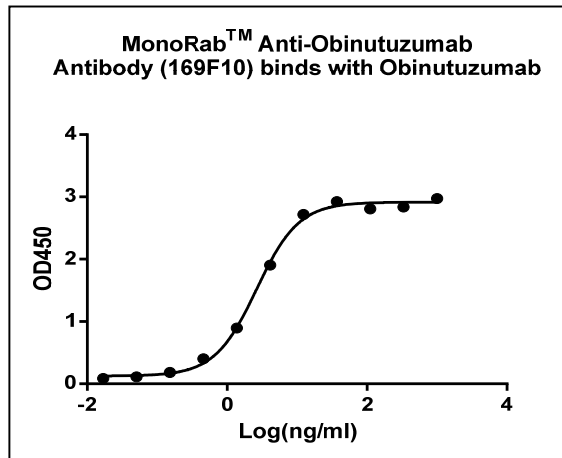
Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA detection: 0.01-0.1 µg/ml

Other applications: user-optimized

** For non-clinical research use only. **

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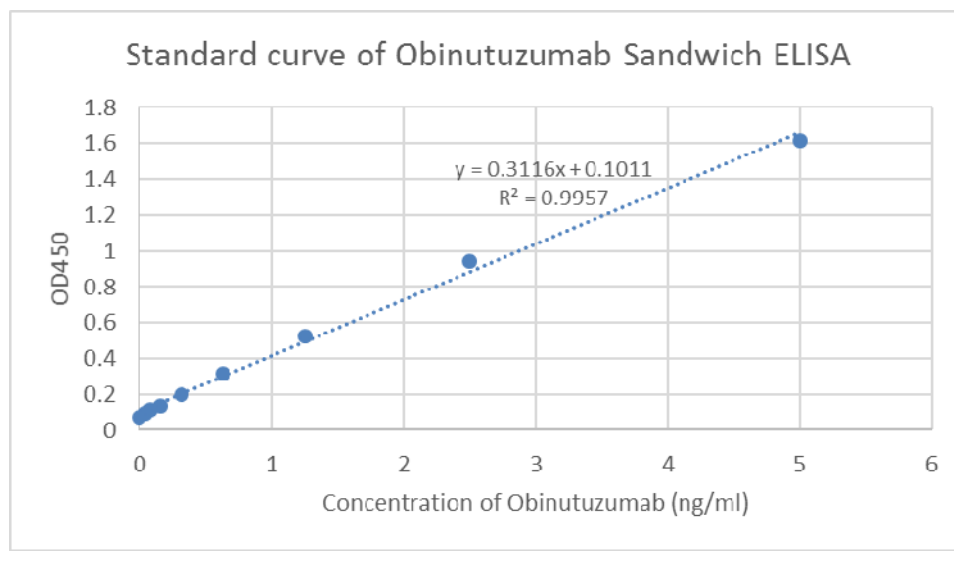
Example


ELISA binding of MonoRab™ Anti-Obinutuzumab Antibody (169F10) (GenScript, A01967-40) with Obinutuzumab. While the antibody does not recognize the human IgG (data not shown).

Coating antigen: Obinutuzumab, 1 µg/ml.

MonoRab™ Anti-Obinutuzumab Antibody (169F10) (GenScript, A01967-40) dilutions start from 2,000 ng/ml.

EC₅₀= 2.643 ng/ml.



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Standard curve of Obinutuzumab Sandwich ELISA. The Obinutuzumab Sandwich ELISA assay is developed by using MonoRab™ Anti-Obinutuzumab Antibody (8G12), mAb, Rabbit (GenScript, A01966-40) and MonoRab™ Anti-Obinutuzumab Antibody (169F10) (GenScript, A01967-40) as the capture and detection antibodies, respectively. These two antibodies recognize different epitopes.

In this ELISA assay, MonoRab™ Anti-Obinutuzumab Antibody (169F10) (GenScript, A01967-40) was labeled with Biotin. GenScript can provide customized conjugation services for this product per the customer's request.

The sensitivity is less than 100 pg/ml.

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