

Rev05
Update: Jun,14,2023

DATASHEET

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

Cat. No.: A01968

Overview

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.
Host Species	Rabbit
Immunogen	Obinutuzumab
Conjugate	Biotin

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.

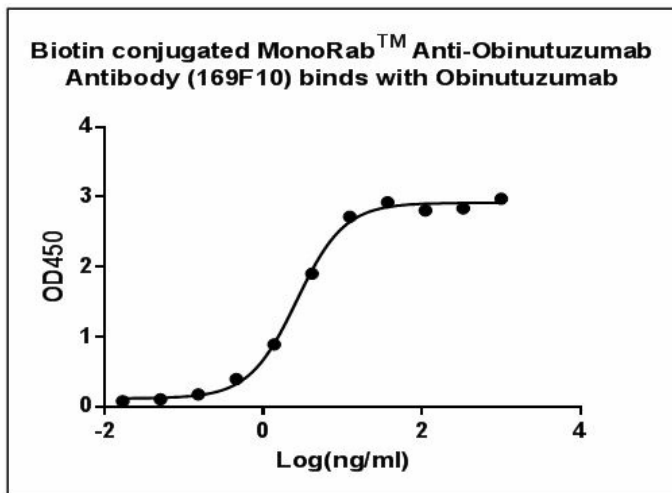
Application	Recommended Usage
ELISA	0.01-0.1 µg/ml

Properties

Form	Lyophilized
Storage Buffer	lyophilized with PBS, pH 7.4, containing 1% BSA and 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
Storage Instructions	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.

Purification	Protein A affinity column
Isotype	Rabbit IgG
Clonality	Monoclonal
Clone ID	169F10
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples

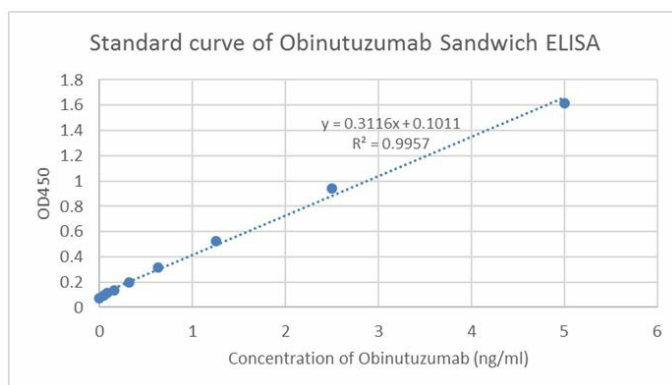


ELISA binding of MonoRab™ Anti-Obinutuzumab Antibody (169F10) [Biotin] (GenScript, A01968-40) with Obinutuzumab. While the antibody does not recognize the human IgG (data not shown).

Coating antigen: Obinutuzumab, 1 µg/ml.

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

EC₅₀= 2.643 ng/ml.



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) [Biotin] (GenScript, A01968-40) as the capture and detection antibodies, respectively. These two antibodies recognize different epitopes.

The sensitivity is less than 100 pg/ml.

Background

Target Background : 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.

Synonyms : Rabbit monoclonal to Gazyva

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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