

Rev04
Update: Oct,19,2022

DATASHEET

MonoRab™ Anti-Rituximab Antibody (194D7), mAb, Rabbit

Cat. No.: A01943

Overview

Specificity	The product is specific for Rituximab. The antibody is recommended as a detection antibody in a pharmacokinetic (PK) bridging assay with capture antibody GenScript, A01942-40, MonoRab™ Anti-Rituximab Antibody (137C6), mAb, Rabbit.
Host Species	Rabbit
Immunogen	Rituximab
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentration 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.

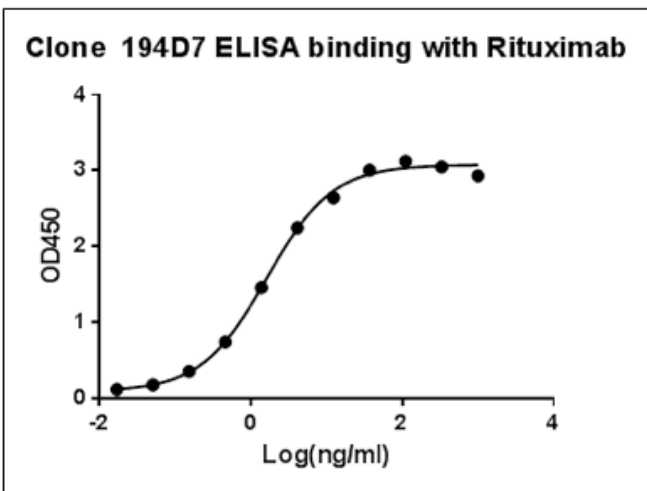
Application	Recommended Usage
ELISA	0.005-1 µg/ml

Properties

Form	Lyophilized
Storage Buffer	lyophilized with PBS, pH 7.4, contains 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to a 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 freeze/thaw cycles.

Purification	Protein A affinity column
Isotype	Rabbit IgG
Clonality	Monoclonal
Clone ID	194D7
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples

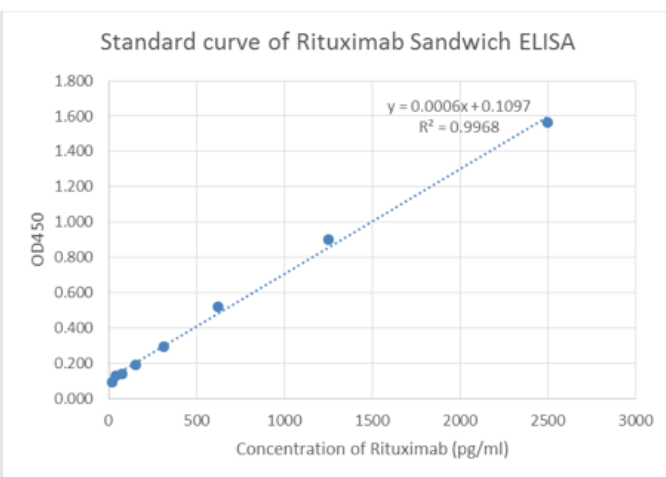


Anti-Rituximab Antibody (194D7), mAb, Rabbit (GenScript, A01943-40) binds with Rituximab. While the antibody does not recognize the human IgG Fc fragment (data not shown).

Coating antigen: Rituximab, 1 µg/ml.

Anti-Rituximab antibody (GenScript, A01943-40) dilution start from 1,000 ng/ml.

EC_{50} = 1.618 ng/ml.



Standard curve of Rituximab Sandwich ELISA. The Rituximab Sandwich ELISA assay is developed by using Anti-Rituximab Antibody (137C6), mAb, Rabbit (GenScript, A01942-40) and Anti-Rituximab Antibody (194D7), mAb, Rabbit (GenScript, A01943-40) as capture and detection antibody, respectively. In this ELISA assay, Anti-Rituximab Antibody (194D7), mAb, Rabbit (GenScript, A01943-40) was labeled with Biotin.

GenScript can provide customized conjugation service for this product per customer's request. The sensitivity of detecting Rituximab is about 30 pg/ml.

Background

Target Background : Rituximab was approved for medical use in 1997. It is on the World Health Organization's List of Essential Medicines, the most effective and safe medicines needed in a health system. Rituximab, sold under the brand name Rituxan among others, is a medication used to treat certain autoimmune diseases and types of cancer. It is used for non-Hodgkin's lymphoma, chronic lymphocytic leukemia, rheumatoid arthritis, idiopathic thrombocytopenic purpura, pemphigus vulgaris and myasthenia gravis. Rituximab is a chimeric monoclonal antibody against the protein CD20, which is primarily found on the surface of immune system B cells. When it binds to this protein it triggers cell death.

Synonyms : Rabbit monoclonal to Rituxan

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