

Rev05
Update: Jan,07,2025

DATASHEET

Anti-Infliximab Antibody (23H5), mAb, Mouse

Cat. No.: A02041

Overview

Specificity	The product is specific for Infliximab. The antibody is recommended as a detection antibody in a pharmacokinetic (PK) bridging assay with capture antibody GenScript, A02040-40, Anti-Infliximab Antibody (27A4), mAb, Mouse.
Host Species	Mouse
Immunogen	Infliximab
Conjugate	Unconjugated

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

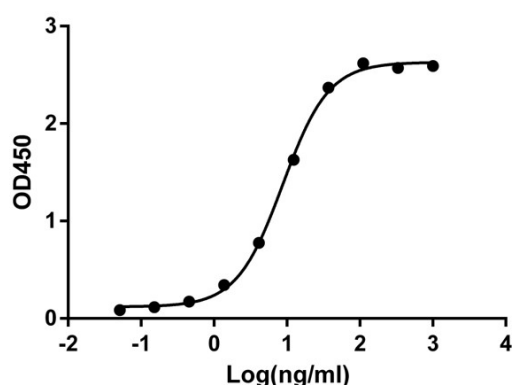
Properties

Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.4, containing 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 repeated freezing and thawing cycles.
Purification	Protein A affinity column
Isotype	Mouse IgG1, κ

Clonality	Monoclonal
Clone ID	23H5
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples

Anti-Infliximab Antibody (23H5) binds with Infliximab



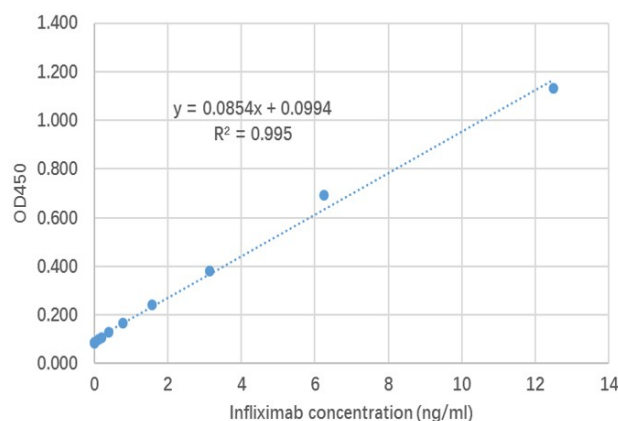
ELISA binding of Anti-Infliximab Antibody (23H5), mAb, Mouse (GenScript, A02041-40) with Infliximab. While the antibody does not recognize the human IgG (data not shown).

Coating antigen: Infliximab, 1 µg/ml.

Anti-Infliximab Antibody (23H5), mAb, Mouse (GenScript, A02041-40) dilution start from 1,000 ng/ml.

EC50= 8.745 ng/ml.

Standard curve of Infliximab Sandwich ELISA



Standard curve of Infliximab Sandwich ELISA. The Infliximab Sandwich ELISA assay is developed by using Anti-Infliximab Antibody (27A4), mAb, Mouse (GenScript, A02040-40) and Anti-Infliximab Antibody (23H5), mAb, Mouse (GenScript, A02041-40) as the capture and detection antibodies, respectively.

In this ELISA assay, Anti-Infliximab Antibody (23H5), mAb, Mouse (GenScript, A02041-40) was labeled with Biotin.

GenScript can provide customized conjugation services for this product per the customer's request.

The sensitivity of detecting Infliximab is up to 0.195 ng/ml.

Background

Target Background : Infliximab with the brand name of Remicade, is a chimeric monoclonal IgG1 antibody. It binds to TNF-α, which is a key proinflammatory cytokine involved in chronic inflammatory diseases. Infliximab functions as TNF-α blocker to disrupt the interaction of TNF-α with its receptors. Anti-Infliximab Antibody (23H5), mAb, Mouse is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with Infliximab.

Synonyms : Mouse monoclonal antibody to Infliximab/Remicade

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

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