

Rev04  
Update: Oct,19,2022

**DATASHEET**

# Anti-Infliximab Antibody (27A4), mAb, Mouse

Cat. No.: A02040

## Overview

<b>Specificity</b>	The product is specific for Infliximab. The antibody is recommended as a capture antibody in a pharmacokinetic (PK) bridging assay with detection antibody GenScript, A02041-40, Anti-Infliximab Antibody (23H5), mAb, Mouse.
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Infliximab
<b>Conjugate</b>	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.

<b>Application</b>	<b>Recommended Usage</b>
ELISA	0.01-0.1 µg/ml

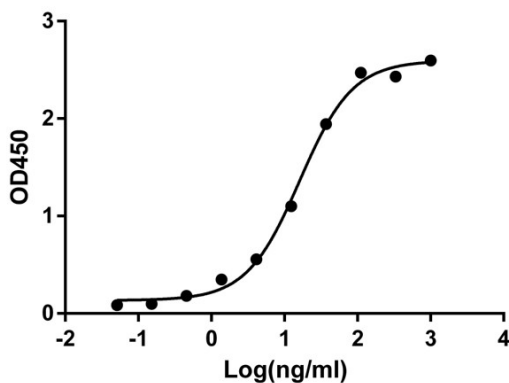
## Properties

<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
<b>Reconstitution</b>	Reconstitute the lyophilized powder with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.
<b>Storage Instructions</b>	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.
<b>Purification</b>	Protein A affinity column
<b>Isotype</b>	Mouse IgG1, $\kappa$

<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	27A4
<b>Note</b>	GenScript can customize this product per customer's request including product size, buffer components, etc.

## Examples

**Anti-Infliximab Antibody (27A4) binds with Infliximab**



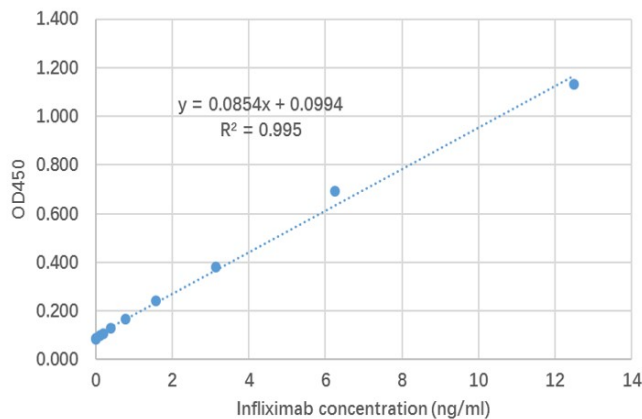
ELISA binding of Anti-Infliximab Antibody (27A4), mAb, Mouse (GenScript, A02040-40) with Infliximab. While the antibody does not recognize the human IgG (data not shown).

Coating antigen: Infliximab, 1 µg/ml.

Anti-Infliximab Antibody (27A4), mAb, Mouse (GenScript, A02040-40) dilution start from 1,000 ng/ml.

EC50= 16.17 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- $\alpha$ , which is a key proinflammatory cytokine involved in chronic inflammatory diseases. Infliximab functions as TNF- $\alpha$  blocker to disrupt the interaction of TNF- $\alpha$  with its receptors. Anti-Infliximab Antibody (27A4), 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.