

Rev05  
Update: Apr,30,2024

**DATASHEET**

# Anti-Trastuzumab Antibody (11C4), mAb, Mouse

Cat. No.: A02032

## Overview

<b>Specificity</b>	The product is specific for Trastuzumab. The antibody is recommended as a capture antibody in a pharmacokinetic (PK) bridging assay with detection antibody GenScript, A02033-40, Anti-Trastuzumab Antibody (15H2), mAb, Mouse.
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Trastuzumab
<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, $\kappa$

**GenScript USA, Inc.**

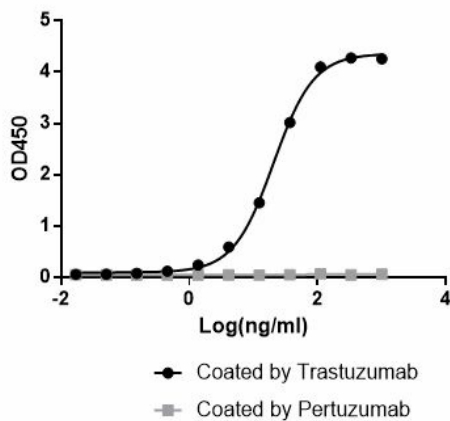
860 Centennial Ave. Piscataway, NJ 08854

Tel: 1-732-885-9188

<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	11C4
<b>Note</b>	GenScript can customize this product per customer's request including product size, buffer components, etc.

## Examples

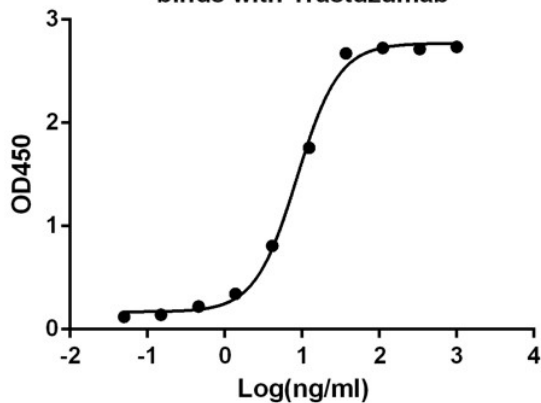
### A02032 binds with Trastuzumab and Pertuzumab



ELISA binding of Anti-Trastuzumab Antibody (11C4), mAb, Mouse (GenScript, A02032-40) with Trastuzumab and Pertuzumab. It shows the antibody does not recognize Pertuzumab.

Coating antigen: Pertuzumab 1 µg/ml. Trastuzumab 1 µg/ml. Anti-Trastuzumab Antibody (11C4), mAb, Mouse (GenScript, A02032-40) dilution start from 1,000 ng/ml.

### Anti-Trastuzumab Antibody (11C4) binds with Trastuzumab

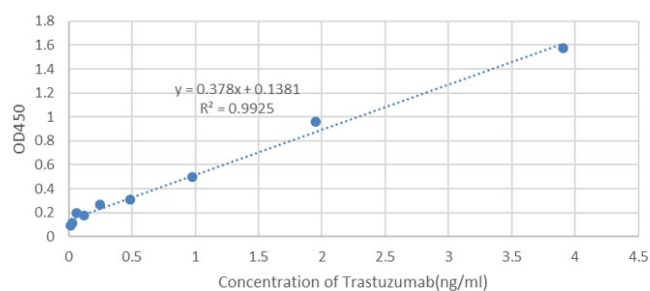


ELISA binding of Anti-Trastuzumab Antibody (11C4), mAb, Mouse (GenScript, A02032-40) with Trastuzumab. While the antibody does not recognize the human IgG (data not shown).

Coating antigen: Trastuzumab, 1 µg/ml. Anti-Trastuzumab Antibody (11C4), mAb, Mouse (GenScript, A02032-40) dilution start from 1,000 ng/ml.

$EC_{50} = 8.598$  ng/ml.

### Standard curve of Trastuzumab Sandwich ELISA



Standard curve of Trastuzumab Sandwich ELISA. The Trastuzumab Sandwich ELISA assay is developed by using Anti-Trastuzumab Antibody (11C4), mAb, Mouse (GenScript, A02032-40) and Anti-Trastuzumab Antibody (15H2), mAb, Mouse (GenScript, A02033-40) as the capture and detection antibodies, respectively.

In this ELISA assay, Anti-Trastuzumab Antibody (15H2), mAb, Mouse (GenScript, A02033-40) was labeled with Biotin.

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

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The sensitivity of detecting Trastuzumab is up to 61 pg/ml.

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## Background

**Target Background :** Trastuzumab with the brand name Herceptin, is an FDA-approved drug for HER2-targeted therapy for breast cancer. It is a recombinant humanized monoclonal antibody (IgG1 kappa). Trastuzumab binds to HER2 receptor present on the surface of HER2-positive tumour cells and suppresses the cells growth and proliferation. Anti-Trastuzumab Antibody (11C4), mAb, Mouse is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with Trastuzumab.

**Synonyms :** Mouse monoclonal to Herceptin

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

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