

Rev06
Update: Jan,07,2025

DATASHEET

Anti-Panitumumab Antibody (2E7), mAb, Mouse

Cat. No.: A02099

Overview

Specificity	The product is specific for Panitumumab
Host Species	Mouse
Immunogen	Panitumumab
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	0.005-1 µg/ml
Competitive ELISA	1-30 µg/ml

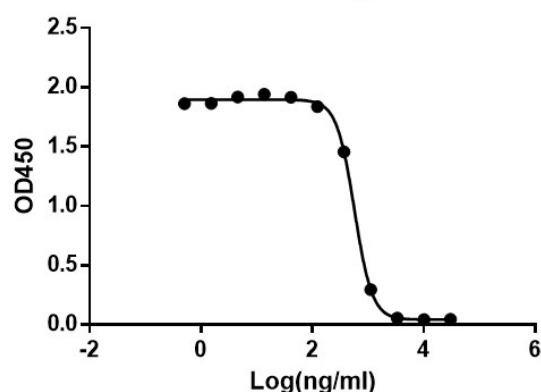
Properties

Form	Lyophilized
Storage Buffer	This product is lyophilized with PBS, pH 7.2, 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	2E7
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples

Anti-Panitumumab Antibody (2E7) blocks Panitumumab binding with Human EGFR



Anti-Panitumumab Antibody (2E7) (GenScript, A02099-40) blocks Panitumumab binding with Human EGFR recombinant protein.

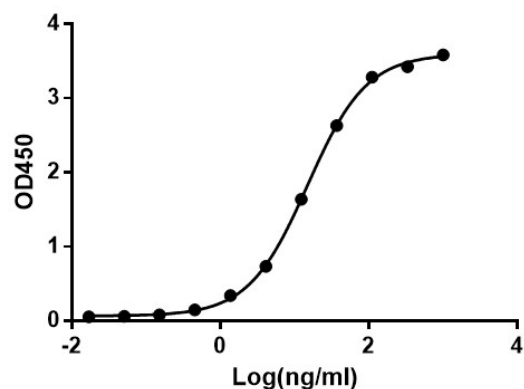
Coating antigen: Panitumumab 1 µg/ml.

EGFR final concentration: 250 ng/ml.

Anti-Panitumumab antibody dilutions start from 30 µg/ml.

IC₅₀ = 0.567 µg/ml.

Anti-Panitumumab Antibody (2E7) binds with Panitumumab

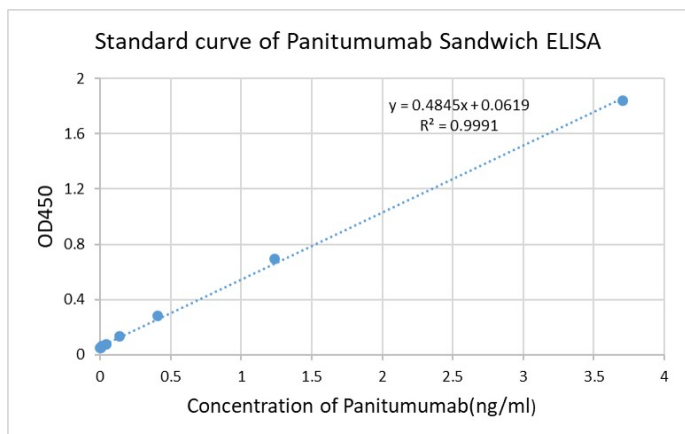


ELISA binding of Anti-Panitumumab Antibody (2E7), mAb, Mouse (GenScript, A02099-40) with Panitumumab. While the antibody does not recognize the human IgG (data not shown).

Coating antigen: Panitumumab, 1 µg/ml.

Anti-Panitumumab Antibody (2E7), mAb, Mouse (GenScript, A02099-40) dilution start from 1,000 ng/ml.

EC₅₀ = 15.05 ng/ml.



Standard curve of Panitumumab Sandwich ELISA. The Panitumumab Sandwich ELISA assay is developed by using Anti-Panitumumab Antibody (9G12), mAb, Mouse (GenScript, A02100-40) and Anti-Panitumumab Antibody (2E7), mAb, Mouse (GenScript, A02099-40) as the capture and detection antibodies, respectively.

In this ELISA assay, Anti-Panitumumab Antibody (2E7), mAb, Mouse (GenScript, A02099-40) was labeled with Biotin. GenScript can provide customized conjugation services for this product per the customer's request.

The sensitivity of detecting Panitumumab is up to 0.09 ng/ml.

Background

Target Background : Panitumumab with trade name Vectibix, is an FDA-approved drug for the treatment of patients with EGFR-expressing metastatic colorectal carcinoma with non-mutated (wild-type) KRAS after failure of fluoropyrimidine-, oxaliplatin- and irinotecan-containing chemotherapy regimens. It is a human monoclonal antibody. Panitumumab binds to the human EGF receptor (EGFR), preventing binding of activating ligands, such as the EGF and transforming growth factor- α . Anti-Panitumumab Antibody (2E7), mAb, Mouse is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with Panitumumab.

Synonyms : Mouse monoclonal to Panitumumab/Vectibix

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

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