Rev06
Update: Jun,14,2023

DATASHEET

MonoRab™ Anti-Cetuximab Antibody (69H10), mAb, Rabbit

Cat. No.: A01991

Overview

Specificity	The antibody is recommended as a capture antibody in a pharmacokinetic (PK) bridging assay with detection antibody GenScript, A01992-40, MonoRab™ Anti-Cetuximab Antibody (90G3), mAb, Rabbit.
Host Species	Rabbit
Immunogen	Cetuximab
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.

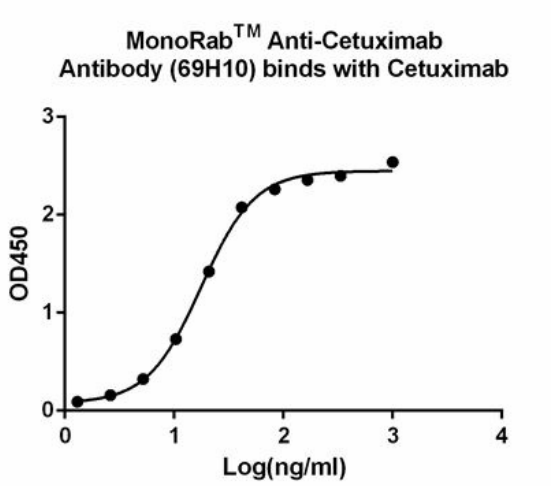
Application	Recommended Usage
ELISA	0.01-0.1 μg/ml
Competitive ELISA	10-50 μg/ml

Properties

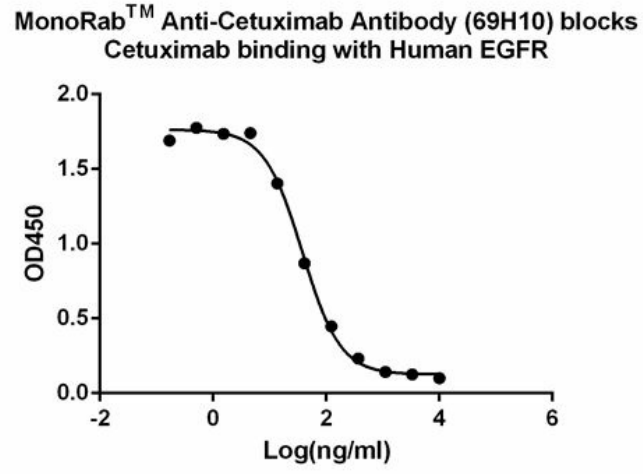
Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.

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	Rabbit IgG
Clonality	Monoclonal
Clone ID	69H10
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples



ELISA binding of MonoRab™ Anti-Cetuximab Antibody (69H10), mAb, Rabbit (GenScript, A01991-40) with Cetuximab. While the antibody does not recognize the human IgG Fc fragment (data not shown).
Coating antigen: Cetuximab, 1 μg/ml.
MonoRab™ Anti-Cetuximab Antibody (69H10) mAb, Rabbit (GenScript, A01991-40) dilutions start from 1000 ng/ml.
EC_{50}= 17.67 ng/ml.



MonoRab™ Anti-Cetuximab Antibody (69H10), mAb, Rabbit (GenScript, A01991-40) blocks Cetuximab binding with EGFR protein.
Coating antigen: EGFR, 0.5 μg/ml.
Cetuximab final concentration: 20 ng/ml.
MonoRab™ Anti-Cetuximab Antibody (69H10), mAb, Rabbit (GenScript, A01991-40) dilutions start from 10 μg/ml.
IC_{50}= 39.3 ng/ml

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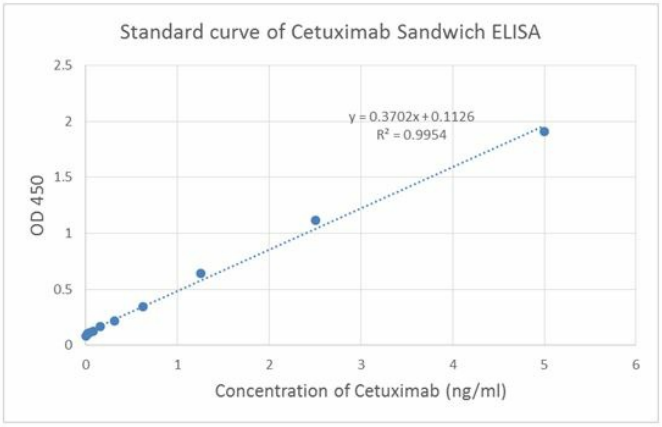

Standard curve of Cetuximab Sandwich ELISA. The Cetuximab Sandwich ELISA assay is developed by using MonoRab™ Anti-Cetuximab Antibody (69H10), mAb, Rabbit (GenScript, A01991-40) and MonoRab™ Anti-Cetuximab Antibody (90G3) mAb, Rabbit (Genscript, A01992-40) as the capture and detection antibodies, respectively.
In this ELISA assay, MonoRab™ Anti-Cetuximab Antibody (90G3), mAb, Rabbit (GenScript, A01992-40) was labeled with Biotin.
GenScript can provide customized conjugation services for this product per the customer's request.
The sensitivity of detecting Cetuximab is up to 40 pg/ml.

Background

Target Background : Cetuximab is a recombinant human/mouse chimeric monoclonal antibody against epidermal growth factor receptor (EGFR). It is composed of the antigen-binding regions of mouse anti EGFR monoclonal antibody specific for the N-terminal portion of human EGFR with human IgG1 heavy and kappa light chain constant regions. Cetuximab is marketed under the brand Erbitux by Eli Lilly Company. It was approved by the US Food and Drug Administration for the treatment of metastatic colorectal cancer and metastatic non-small cell lung cancer.GenScript MonoRab™ Anti-Cetuximab Antibody (69H10), mAb, Rabbit is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a rabbit immunized with Cetuximab.

Synonyms : Rabbit monoclonal to Erbitux

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

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