

Anti-Cetuximab Antibody (18D5), mAb, Mouse

Cat. No.: A01938

Overview

Specificity	The product is specific for Cetuximab. This antibody blocks Cetuximab binding with EGFR (Z03202, EGFR, His, Human) in ELISA. The antibody is recommended as a detection antibody in a pharmacokinetic (PK) bridging assay with capture antibody GenScript, A01939-40, Anti-Cetuximab Antibody (20H1), mAb, Mouse.
Host Species	Mouse
Immunogen	Cetuximab
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentration 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.

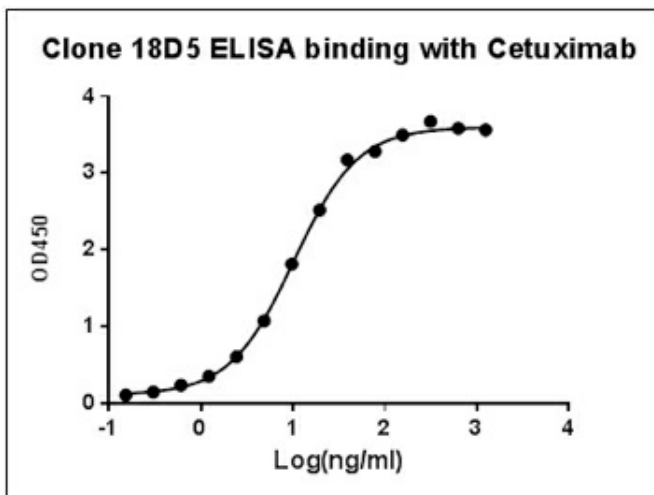
Application	Recommended Usage
ELISA	0.01-1 µg/ml

Properties

Form	Lyophilized
Storage Buffer	lyophilized with PBS, pH 7.4, contains 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 freeze/thaw cycles.
Purification	Protein A affinity column

Isotype	Mouse IgG1, κ
Clonality	Monoclonal
Clone ID	18D5
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples

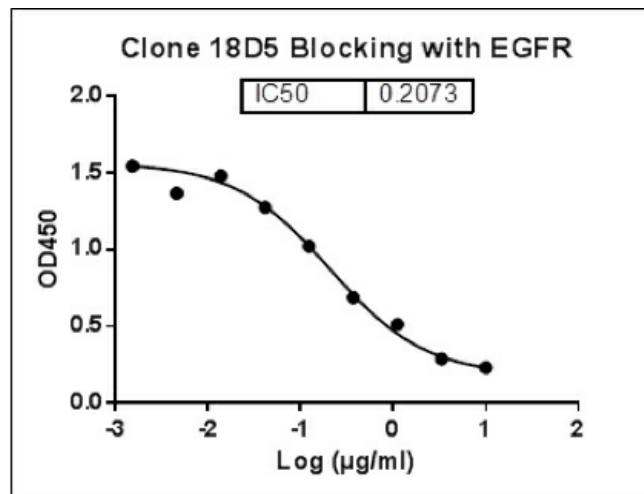


Anti-Cetuximab Antibody (18D5), mAb, Mouse (GenScript, A01938-40) binds with Cetuximab. While the antibody does not recognize the human IgG Fc fragment (data not shown).

Coating antigen: Cetuximab, 1 μ g/ml.

Anti-Cetuximab antibody (GenScript, A01938-40) dilution start from 1,250 ng/ml.

EC₅₀= 10.23 ng/ml.

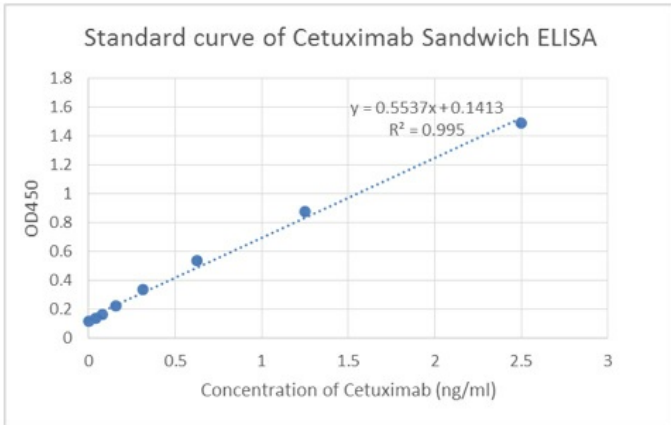


Anti-Cetuximab Antibody (18D5), mAb, Mouse (GenScript, A01938-40) blocks Cetuximab binding with EGFR. Coating antigen: Cetuximab, 0.5 μ g/ml.

Anti-Cetuximab Antibody (18D5), mAb, Rabbit (GenScript, A01938-40) final concentration: 15 ng/ml.

EGFR dilution start from 10 μ g/ml.

IC₅₀= 207.3 ng/ml.



Standard curve of Cetuximab Sandwich ELISA. The Cetuximab Sandwich ELISA assay is developed by using Anti-Cetuximab Antibody (20H1), mAb, Mouse (GenScript, A01939-40) and Anti-Cetuximab Antibody (18D5), mAb, Mouse (GenScript, A01938-40) as capture and detection antibody, respectively. In this ELISA assay, Anti-Cetuximab Antibody (18D5), mAb, Mouse (GenScript, A01938-40) was labeled with Biotin. GenScript can provide customized conjugation service for this product per customer's request. The sensitivity of detecting Cetuximab is 0.039 ng/ml.

Background

Target Background : Cetuximab (Erbix) is a chimeric (mouse/human) monoclonal antibody that is approved by the U.S. Food and Drug Administration for the treatment of patients with metastatic colorectal cancer, metastatic non-small cell lung cancer and head and neck cancer. Cetuximab, as an epidermal growth factor receptor (EGFR) inhibitor, binds to EGFR.

Synonyms : Mouse monoclonal to Erbitux

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