

Human EGFR Monoclonal Antibody, Endotoxin 0.05 EU/mg

Catalog No.: YR0026

Basic Information

Molecular Weight

150 kDa

Endotoxin

<0.05EU/mg (<0.00005EU/μg)
Determined by LAL gel clotting assay

Sterility

0.2 μm filtration

Aggregation

<5% Determined by SECP

Purity

>95% Determined by SDS-PAGE

Background

Cetuximab, a chimeric (mouse/human) anti-EGFR monoclonal antibody, is an EGFR inhibitor used for the treatment of metastatic colorectal cancer and head and neck cancer. Cetuximab binds to EGFR and turns off the uncontrolled growth in cancers with EGFR mutations. Cetuximab can be used for treatment of KRAS wild type colon cancer but has little or no effect in colorectal tumors harboring a KRAS mutation. Before treatment using Erbitux, it is better to do a diagnosis using the real time PCR companion diagnostic test for KRAS, the therascreen KRAS test.

Reported Applications

ELISA, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways

Immunogen Information

Clone

Cetuximab Biosimilar

Isotype

Human IgG1 kappa

Immunogen

Human EGFR

Recommended Isotype Control(s)

In Vivo Grade Recombinant Human IgG1 Kappa Isotype Control Antibody

Recommended Dilution Buffer

1×PBS pH 7.2

Contact

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Product Information

Production

Purified from cell culture supernatant in an animal-free facility

Purification

Protein A or G purification

Storage

Store at 2 - 8°C. 2 - 8°C for up to 4 weeks and -80°C for long term storage (Avoid repeated freezing and thawing)