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Human EGFR Monoclonal Antibody

Catalog No.: YR0122

Basic Information

Molecular Weight
150 kDa

Endotoxin
<1EU/mg (<0.001EU/μg)Determined by LAL gel clotting assay

Sterility
0.2 μm filtration

Aggregation
<5% Determined by SECP

Purity
>95% Determined by SDS-PAGE

Background

Matuzumab is a humanized monoclonal antibody used in cancer treatment. It has a high affinity for EGFR (epithelial growth factor receptor), frequently associated with the growth of blood vessels in malignancy, facilitating tumor growth and survival.Matuzumab binds the epidermal growth factor receptor (EGFR) with high affinity, competitively blocking natural ligand binding and blocking receptor-mediated downstream signalling, resulting in impaired tumor cell proliferation. Matuzumab (EMD-72000) is a humanized IgG1 MAb that not only binds with high specificity and affinity to EGFR, but also modulates antibody-dependent cellular cytotoxicity (ADCC).

Reported Applications

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

Immunogen Information

Clone
Matuzumab Biosimilar

Isotype
Human IgG1 kappa

Immunogen
Human EGFR

RecommendedIsotype Control(s)
In Vivo Grade Recombinant Human IgG1 Kappa Isotype Control Antibody

Recommended Dilution Buffer
1×PBS pH 7.4

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 -20℃