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Human HER2 Monoclonal Antibody, Endotoxin 0.05 EU/mg

Catalog No.: YR0047

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

Trastuzumab, a humanized monoclonal antibody, interferes with the HER2/neu receptor and is mainly used to treat certain breast cancers, especially HER2-positive metastatic breast cancer. Combined with chemotherapy, trastuzumab increases both survival and response rate.There are four closely related receptor tyrosine kinases in the ErbB family of receptors: EGFR (ErbB-1; HER1 in humans), HER2/c-neu (ErbB-2), Her 3 (ErbB-3) and Her 4 (ErbB-4). Bound by members of the epidermal growth factor family (EGF-family) of extracellular protein ligands, the HER receptors embedded in the cell membrane promote cell growth and division by turning genes on and off. The HER2 pathway stimulates cell proliferation if it normally functions; when HER2 is overexpressed, cell growth accelerates beyond its normal limits, which happens in some cancers, notably certain types of breast cancer.

Reported Applications

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

Immunogen Information

Clone
Trastuzumab Biosimilar

Isotype
Human IgG1 kappa

Immunogen
human HER2

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

Recommended Dilution Buffer
1×PBS pH 6.0

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℃