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Human IgE Monoclonal Antibody

Catalog No.: YR0067

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

Omalizumab is a humanized antibody used to reduce sensitivity to inhaled or ingested allergens, especially in the control of moderate to severe allergic asthma which does not respond to high doses of corticosteroids.Immunoglobulin E (IgE) found in mammals only exists as monomers consisting of two heavy chains (ε chain) and two light chains, with the ε chain containing 4 Ig-like constant domains (Cε1-Cε4). In addition to immunity to parasites, IgE plays an essential role in type I hypersensitivity, which manifests various allergic diseases, and allergic conditions, such as anaphylactic reactions to certain drugs, bee stings, and antigen preparations used in specific desensitization immunotherapy.

Reported Applications

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

Immunogen Information

Clone
Omalizumab Biosimilar

Isotype
Human IgG1 kappa

Immunogen
Human IgE

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℃