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Human CD3 Monoclonal Antibody

Catalog No.: YR0127

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

Muromonab (OKT-3) is a monoclonal anti-CD3 antibody used as immunosuppressive therapy in kidney, heart, and liver transplant patients.Murine monoclonal antibody specific to CD3 T-cell lymphocyte antigens. More specifically it is a purified murine (mouse) monoclonal antibody, directed against the CD3 (T3) receptor on the surface of human T-cells (T-lymphocytes) cultured using the murine ascites method. Muromonab is 93% monomeric immune globulin G type 2a (IgG2a).Muromonab binds to the T-cell surface glycoprotein CD3 epsilon chain. It appears to kill CD-3 positive cells by inducing Fc mediated apoptosis, antibody mediated cytotoxicity and complement-dependent cytotoxicity.

Reported Applications

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

Immunogen Information

Clone
Muromonab Biosimilar

Isotype
Mouse IgG2a kappa

Immunogen
Human CD3

RecommendedIsotype Control(s)
In Vivo Grade Recombinant Mouse IgG2a 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℃