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In vivo Grade Recombinant Anti-mouse CD3 Monoclonal Antibody (Clone: 17A2), Rat IgG2b Kappa

Catalog No.: YR0378

Basic Information

Molecular Weight
150kDa

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

The in vivo grade recombinant rat monoclonal antibody (clone: 17A2) specifically binds to the mouse T cell receptor CD3. The CD3 complex, a critical component of the T cell receptor (TCR) machinery, plays a central role in T cell activation, signaling, and immune response regulation. As a key target for studying T cell biology, CD3-specific antibodies are essential tools for investigating T cell-mediated processes in murine models, including autoimmunity, tumor immunity, and transplantation.

Reported Applications

ELISA,neutralization,functional assays such as bioanalytical PK and ADA assays,and those assays for studying biological pathways affected by the mouse CD3 protein.

Immunogen Information

Clone
17A2

Isotype
Rat IgG2b

Immunogen

RecommendedIsotype Control(s)

Recommended Dilution Buffer
1×PBS

Contact

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Product Information

Production
Purified from cell culture supernatant in an animal-free facility

Purification
Protein A/G

Storage
Store at -20℃