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In vivo Grade Recombinant Anti-mouse CD19 Monoclonal Antibody (Clone: 1D3), Rat IgG2a Kappa

Catalog No.: YR0381

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 1D3 antibody binds to the mouse CD19 protein, a transmembrane protein expressed in all B lineage cells including mouse plasma cells. CD19 plays two major roles in mouse B cells: it acts as an adaptor protein to recruit cytoplasmic signaling proteins to the membrane, and works within the CD19/CD21 complex to decrease the threshold for B cell receptor signaling pathways. CD19 is a biomarker for B lymphocyte development, lymphoma diagnosis and can be utilized as a target for leukemia immunotherapies.

Reported Applications

ELISA,flow cytometry,neutralization,functional assays such as bioanalytical PK and ADA assays,and those assays for studying biological pathways affected by the mouse CD19 protein.

Immunogen Information

Clone
1D3

Isotype
Rat IgG2a

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℃