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In vivo Grade Recombinant Anti-mouse CD4 Monoclonal Antibody (Clone: GK1.5), Rat IgG2b Kappa

Catalog No.: YR0379

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: GK1.5) specifically binds to the mouse T cell receptor CD4. CD4 functions as a crucial co - receptor, collaborating with the T cell receptor (TCR). It interacts with class II major histocompatibility complex (MHC) molecules presented by antigen - presenting cells (APCs). This interaction is fundamental for T cell activation and the subsequent orchestration of immune responses. It plays an indispensable role in T cell development, ensuring that mature T cells can perform their functions optimally.

Reported Applications

ELISA,neutralization,functional assays such as bioanalytical PK and ADA assays,and those assays for studying biological pathways affected by the mouse CD4 protein.

Immunogen Information

Clone
GK1.5

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℃