

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

Catalog No.: PA007200.r2b

Background

Clone GK1.5 binds to the mouse CD4 protein, a surface glycoprotein primarily found on helper T cells and playing a crucial role in the immune system. It functions as a co-receptor for T-cell receptor (TCR) during T-cell activation, helping T cells recognize and bind to antigen-presenting cells. CD4 interacts with MHC class II molecules on antigen-presenting cells, strengthening the interaction between the T-cell receptor and the antigen, which leads to T-cell activation.

Isotype: Rat IgG2b kappa.

Source: The recombinant anti-mouse CD4 monoclonal antibody (clone GK1.5), rat IgG2b, is a recombinant monoclonal antibody produced in mammalian cells.

Specificity/Sensitivity: The in vivo grade recombinant anti-mouse CD4 monoclonal antibody (clone: GK1.5), rat IgG2b, specifically binds to the mouse CD4 protein.

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.

Form of Antibody: 0.2 uM filtered solution in 1 x PBS, pH 7.4, no stabilizers or preservatives.

Purity: >95% by SDS-PAGE under reducing conditions.

Shipping: The product is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.

Stability & storage:

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

1 month from date of receipt if stored at 2°C to 8°C as supplied.

12 months from date of receipt if stored at -20°C to -70°C as supplied.

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<https://www.duozhaozhao.com/anti-mouse-cd4-antibody-pa007200-r2b/>