

Anti-mouse CD4 Antibody (GK1.5, mouse IgG2b) | PA007200.m2b

Catalog No.: PA007200.m2b | Isotype: Mouse IgG2b Kappa | In Vivo Grade

Recombinant rat IgG2b isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

Product Specifications

|                        |                                                                                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | PA007200.m2b                                                                                                                                                                      |
| Product Name           | In vivo Grade Recombinant Anti-mouse CD4 Monoclonal Antibody, Mouse IgG2b Kappa (Clone: GK1.5)                                                                                    |
| Clone & Isotype        | GK1.5   Mouse IgG2b Kappa                                                                                                                                                         |
| Uniprot ID & Gene ID   | CD4 on UniProt.org   Gene ID: 12504                                                                                                                                               |
| 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.            |
| Reactivity & Immunogen | Mouse T cell receptor CD4.   Recombinant mouse CD4.                                                                                                                               |
| Immunogen / Host       | The anti-mouse CD4 monoclonal antibody (clone: GK1.5) was produced in mammalian cells.                                                                                            |
| Purification           | The in vivo grade recombinant anti-mouse CD4 monoclonal antibody was affinity-purified by protein A.                                                                              |
| Purity & Endotoxin     | >95% by SDS-PAGE under reducing conditions and HPLC.   < 1 EU per 1 mg of the protein by the LAL method.                                                                          |
| Formulation            | 0.2 uM filtered solution, pH 7.4, no stabilizers or preservatives.                                                                                                                |
| Stability & Storage    | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied. |

Biological Description & Background

The Recombinant Anti-mouse CD4 Monoclonal Antibody (Clone: GK1.5), Mouse IgG2b Kappa, In vivo Grade from Syd Labs is a state-of-the-art research reagent tailored for advanced studies in immunology and T cell biology. This antibody specifically targets the mouse CD4 receptor, a key marker for T helper cells, and is essential for investigating immune responses, autoimmunity, cancer, and transplantation. Produced using cutting-edge recombinant technology in mammalian cells, it ensures exceptional consistency, purity, and performance, setting a new standard for reliability in experimental workflows.

Ordering & Technical Support

For custom volume ordering or inquiries, please visit the product webpage or contact our support team:

- **Product Webpage:** <https://www.ushelf.com/anti-mouse-cd4-monoclonal-antibody-pa007200-m2b/>
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** [message@sydlabs.com](mailto:message@sydlabs.com)