

Monoclonal Anti-CD4 Antibody, Mouse IgG1 (5B3)

Catalog # CD4-MY2032b



Source

Chimeric Monoclonal Anti-CD4 Antibody, Mouse IgG1 (5B3) is recombinantly expressed in HEK293. It consists of human variable regions genetically fused to mouse IgG1 constant domains.

Antibody Type

Recombinant Monoclonal

Clone

5B3

Isotype

Mouse IgG1, Kappa

Host Species

Human

Reactivity

Human

Immunogen

Recombinant Human CD4 Protein is expressed from human 293T cells

Specificity

Specifically recognizes Human CD4 Protein.

Application

Flow Cytometry (Evaluation of the expression of CD4 on Human cells).

Form

Lyophilized

Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4) containing 0.01% PF68, with trehalose as protectant.

Please contact us for customized product forms or formulations.

Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

Shipping

Lyophilized product is shipped at ambient temperature.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

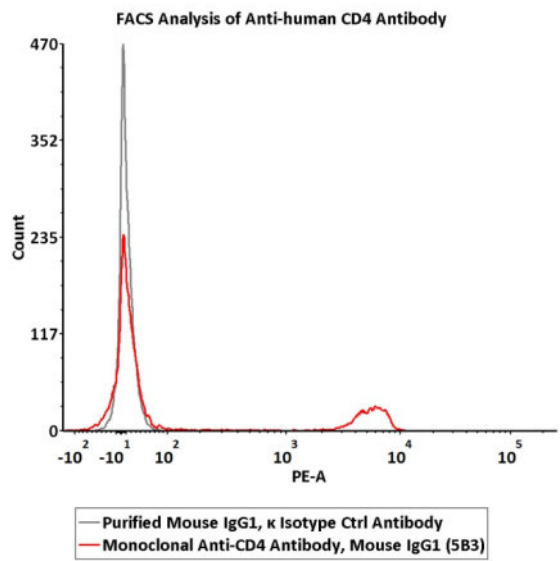
Notices

Product Specific Notices: For research use only.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

Activity-Flow Cytometry



Flow cytometric analysis of human peripheral blood lymphocytes stained with Monoclonal Anti-CD4 Antibody, Mouse IgG1 (5B3), premium grade (Cat. No. CD4-MY2032b) at 1 ug/mL (0.1 ug was used to stain 1×10^6 cells in a final volume of 100 μ L) and isotype control respectively, washed and then followed by PE anti-mouse IgG1 Antibody. PE fluorescence was used to evaluate the binding activity (QC tested).

Background

CD4 is a glycoprotein that serves as an essential co-receptor on the surface of T lymphocytes (T cells), particularly helper T cells. It plays a critical role in the immune system by recognizing and binding to major histocompatibility complex (MHC) class II molecules on antigen-presenting cells (APCs), thereby facilitating T cell activation and immune response.

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