

Monoclonal Anti-CD25 Antibody, Rabbit IgG (P1F05)

Catalog # CD5-MY245G0



Source

Monoclonal Anti-CD25 Antibody, Rabbit IgG (P1F05) is recombinantly expressed from human 293 cells (HEK293), which provides higher batch consistency and long term security of supply.

Antibody Type

Recombinant Monoclonal

Clone

P1F05

Isotype

Rabbit IgG, Kappa

Host Species

Rabbit

Reactivity

Human

Immunogen

Recombinant Human CD25 Protein is expressed from human 293T cells

Specificity

Specifically recognizes Human CD25 Protein.

Application

Flow Cytometry (Evaluation of the expression of CD25 on Human cells).

Form

Lyophilized

Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4) containing 0.02% 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.

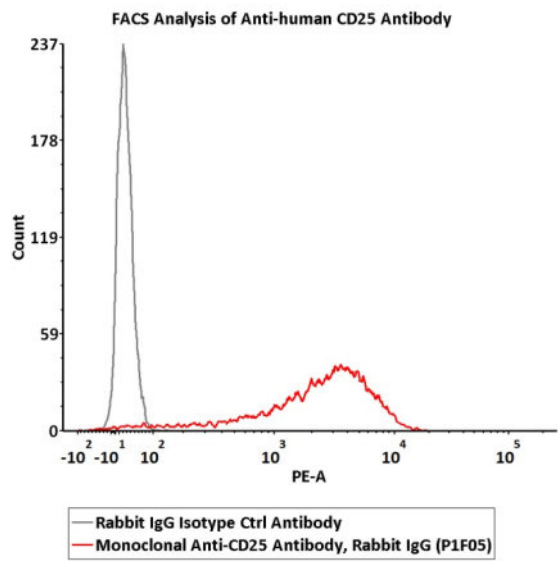
Notices

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 PHA-stimulated (3 day) human peripheral blood lymphocytes stained with Monoclonal Anti-CD25 Antibody, Rabbit IgG (P1F05), premium grade (Cat. No. CD5-MY245G0) at 1 ug/mL (0.1 ug was used to stain 1 × 10⁶ cells in a final volume of 100 μL) and isotype control respectively, washed and then followed by Goat anti-Rabbit IgG (H+L), PE. PE fluorescence was used to evaluate the binding activity (QC tested).

Background

Interleukin-2 receptor subunit alpha (IL2RA) is also known as IL-2R subunit alpha, IL-2-RA, IL2-RA, TAC antigen, p55, CD antigen CD25, is a type I transmembrane glycoprotein. IL2RA is expressed on activated T cells and regulatory T cells, and is capable of binding IL2 with low affinity by itself. However, a ligand-induced high affinity heterotrimeric receptor complex is produced when IL2RA is associated non-covalently with the IL2 receptor beta and gamma chain, and subsequently initiates the intracellular signal pathways such as MAPK or JAK/STAT. On dendritic cells (DC), CD25 has been previously regarded as an activation marker, while both murine and human DC can express CD25, they do not express the beta-chain of the IL-2 receptor, which is indispensable for the execution of IL-2 signaling.



www.acrobiosystems.com