Anti-mouse CD25 Antibody for Flow Cytometry (Clone: PC61.5.3, Rat IgG1 Lambda) | PA007489.r1

Catalog No.: PA007489.r1 | **Isotype:** Rat IgG1 Lambda | **Flow Cytometry Grade**

Recombinant anti-mouse CD25 monoclonal antibodies (clone: PC61, PC61.5 or PC61.5.3) produced from CHO or engineered CHO cell lines good for in vitro and in vivo studies. The afucosylated antibody may behave better in in vivo regulatory T cell depletion.

Product Specifications

Catalog No.	PA007489.r1
Product Name	Recombinant Anti-mouse CD25 Monoclonal Antibody (Clone: PC61.5.3) for Flow Cytometry, Rat IgG1 Lambda
Synonyms	IL-2Rα, Ly-43, p55, Tac
Clone & Isotype	PC61.5.3 | Rat IgG1 Lambda
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse CD25 protein. The recombinant PC61.5.3 antibody for Flow Cytometry specifically binds to mouse CD25 protein.
Source / Host	The anti-mouse CD25 monoclonal antibody (clone: PC61.5.3) for Flow Cytometry was produced in mammalian cells.
Formulation & Conjugate	0.2 uM filtered solution, pH 7.4, containing 0.09% sodium azide. Non-conjugated.
Purity	**>95%** by SDS-PAGE under reducing conditions.
Shipping	The Recombinant Anti-mouse CD25 Monoclonal Antibody (Clone: PC61.5.3) for Flow Cytometry, Rat IgG1 Lambda 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. 12 months from date of receipt, 2 to 8°C as supplied. Do not freeze it.

Biological Description & Background

Recombinant Rat IgG1 Lambda Monoclonal Antibody.

The in vivo grade recombinant anti-mouse CD25 monoclonal antibodies are based on the rat monoclonal antibody anti-CD25 (mouse) with the clone number of PC61, PC61.5 or PC61.5.3. The rat IgG1 lambda monoclonal antibody has been validated and reported for use in immunoprecipitation (IP), immunohistochemistry (IHC), Flow Cytometry (FC), and various functional assays, such as in vivo depletion of CD25+CD4+ Treg cells, in vitro blocking of IL-2 binding to low- and high-affinity receptors, and growth inhibition of IL-2-dependent T-cell lines.

Expression of CD25, together with CD4 and FOXP3, is considered a phenotypic signature for Treg cells. In vivo depletion of mouse CD25(+)CD4(+)FoxP3(+) Treg cells using the rat PC61 monoclonal antibody is widely used to characterize the Treg function. The PC61 monoclonal antibody specifically binds to an epitope of CD25 which is distinct from the IL-2 binding site and from those recognized by the 3C7 and 7D4 monoclonal antibodies. By doing so, the antibody blocks binding of IL-2 to CD25.

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-cd25-monoclonal-antibody-pa007489-r1/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com