Anti-mouse CD25 Monoclonal Antibody | PA007156.m2caf

Catalog No.: PA007156.m2caf | **Isotype:** mouse IgG2c, kappa | **In Vivo Grade (Afucosylated)**

In Vivo Grade Recombinant Afucosylated Anti-mouse CD25 Mouse IgG2c Kappa Monoclonal Antibody. Recombinant anti-mouse CD25 mouse IgG2c 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.	PA007156.m2caf
Product Name	In vivo Grade Recombinant Afucosylated Anti-mouse CD25 Monoclonal Antibody (Clone PC61.5.3), Mouse IgG2c Kappa
Clone & Isotype	PC61, PC61.5 or PC61.5.3 | mouse IgG2c, kappa
Synonyms	IL-2Rα, Ly-43, p55, Tac
Applications	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.
Immunogen	IL-2-dependent cytolytic mouse T-cell clone B6.1.
Purity & Endotoxin	**>95%** by SDS-PAGE under reducing conditions. | **Less than 1 EU/mg** of protein as determined by LAL method.
Formulation	0.2 μM filtered solution of 1x PBS.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 1 month from date of receipt, 2 to 8°C as supplied. 3 months from date of receipt, -20°C to -70°C as supplied.

Biological Description & Research Applications

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 lamda 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.

The in vivo grade recombinant afucosylated anti-mouse CD25 mouse IgG2c kappa monoclonal antibody was produced in CHO cells.

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/recombinant-afucosylated-anti-mouse-cd25-antibody-pa007156-m2caf/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com