

# Anti-Mouse CD25 (PC61) In Vivo Antibody - Low Endotoxin

**Bulk Anti-Mouse CD25 In Vivo Antibody - Low Endotoxin (PC61)**

## Product Benefits:

ichorbio's anti-Mouse CD25 In Vivo Antibody - Low Endotoxin (PC61) is manufactured in a cGMP compliant, ISO Quality Standard 9001:2015 facility. ichorbio's low endotoxin antibodies have half the endotoxin of comparable antibodies from [Bio X Cell](#) at less than 1.0 EU/mg. If ichorbio's low endotoxin antibodies are not low enough we also offer ultra low endotoxin antibodies which have even less endotoxin (<0.5EU/mg) at an even higher purity (98% versus 95%).

## Target:

CD25

## Clone:

PC61

## Isotype:

Rat IgG1

## Other Names:

Interleukin-2 receptor subunit alpha, IL-2 receptor subunit alpha, IL-2-RA, IL-2R subunit alpha, IL2-RA, Il2ra, p55

## Host:

Rat

## Species Reactivity:

Mouse

## Specificity:

Anti-CD25 In Vivo Antibody - Low Endotoxin (PC61) recognizes an epitope on Mouse IL-2 RA

## Purification Method:

This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

## Antigen Distribution:

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The CD25 antigen is detected on CD4 positive T-cells but not on CD8 positive T-cells. However, when stimulated with phytohemagglutinin (PHA), the CD25 antigen can be detected on CD8 positive T cells. The CD25 antigen is also expressed on CD20 positive B cells. The CD25 antigen is negative on CD 56 positive natural killer cells, CD 14 positive monocytes, granulocytes, red blood cells and platelets. The CD25 antigen is expressed on malignant cells of adult T-cell leukemias (ATL's) carrying HTLV-1, most cases of cutaneous T cell lymphoma and lymphoepithelioid lymphomas among non-Hodgkin's T cell lymphomas.

**Background:**

IL-2 receptor alpha chain (IL-2Ralpha) is a component of high-affinity IL-2 receptors and thus is a key regulator of lymphocyte proliferation. IL-2R alpha expression occurs at specific stages of early T and B lymphocyte development and is induced upon activation of mature lymphocytes. IL-2R alpha is essential for regulation of both the size and content of the peripheral lymphoid compartment, probably by influencing the balance between clonal expansion and cell death following lymphocyte activation. IL-2Ralpha is also important in the formation of high-affinity binding sites, and the inducibility of the alpha gene contributes to the highly regulated and transient display of high-affinity IL-2R.

**Immunogen:**

IL-2-dependent cytolytic mouse T-cell clone B6.1

**Concentration:**

1.0 - 5.0 mg/ml

**Formulation:**

0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free.

**Purity:**

>95% by SDS-PAGE and HPLC

>98% by SDS-PAGE and HPLC

**Endotoxin:**

? 1.0 EU/mg as determined by the LAL method

? 0.75 EU/mg as determined by the LAL method

**Aggregation:**

Aggregation level ? 5%

Aggregation level ? 1%

**Storage:**



This antibody is stable for at least 4 weeks when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at – 20°C or -80°C. Avoid repeated freeze thaw cycles.

**Applications:**

Immunoprecipitation, Western Blot, Functional Assays, Blocking, Flow Cytometry, IHC (Frozen)

**Application Notes:**

Each investigator should determine their own optimal working dilution for specific applications.

**Use:**

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