

Bulk Anti-Human CD25 (7G7B6) Antibody

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Bio X Cell:

ICH1163 is [up to 37% cheaper](#) for industry than the equivalent product BE0014 from Bio X Cell. **Product Benefits:**

ichorbio's bulk anti-human CD25 (IL-2R?) antibody (7G7B6) 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:

7G7B6

Size:

ichorbio's 7G7B6 *in vivo* antibody is available in the following bulk sizes: 1mg, 5mg, 25mg, 50mg and 100mg
ichorbio regularly manufactures multi-gram amounts of our anti-CD25 7G7B6 clone - please contact us for pricing.

Isotype:

Mouse IgG2a

Other Names:

IL2RA, Interleukin-2 receptor subunit alpha, TAC, p55

Uniprot:

[P01589](#)

Host:

Mouse

Species Reactivity:

Human

Specificity:

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Clone 7G7B6 reacts with human CD25

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:

IL-2R α is expressed on activated mature T and B lymphocytes, during early stages of thymocytes development, pre-B cells, and in activated CD4⁺ memory T-lymphocytes

Background:

CD25 (IL-2R α) is the 55 kDa subunit of the interleukin 2 receptor alpha chain which has been shown to play roles in lymphocyte differentiation, activation, and proliferation. IL-2R α is a transmembrane glycoprotein comprised of a heavily glycosylated extracellular domain, a transmembrane region and a short cytoplasmic tail. IL-2R α heterodimerizes with IL-2R β (CD122) and IL-2R γ (CD132) and forms the IL-2 receptor complex. IL-2R α by itself binds IL-2 with relatively low affinity, while the IL-2 receptor complex binds IL-2 with high affinity. IL-2R α mutations cause severe immunodeficiency.

Immunogen:

Recombinant human peripheral blood mononuclear cells (PBMCs)

Concentration:

1.0 mg/ml

Formulation:

This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (PBS) pH 7.2 - 7.4, 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%

IMPACT Pathogen Test:

We use the IMPACT test generated by IDEXX Laboratories to guarantee our Ultra Low Endotoxin antibodies are pathogen free. Our mouse antibodies are tested for: Mycoplasma spp. Mycoplasma pulmonis Sendai virus Mouse hepatitis virus Pneumonia virus of mice Minute virus of mice Mouse parvovirus (MPV1-5) Theiler's murine encephalomyelitis virus Murine norovirus Reovirus 3 Mouse rotavirus Ectromelia virus Lymphocytic choriomeningitis virus Polyoma virus Lactate dehydrogenase-elevating virus Mouse adenovirus (MAD1, MAD2) Mouse cytomegalovirus K virus Mouse thymic virus Hantaan virus Corynebacterium bovis Corynebacterium spp. (HAC2)

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:

ELISA, Flow Cytometry, Immunofluorescence Staining, Immunoprecipitation, Western Blotting

Application Notes:

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

Use:

Products are for research use only.