

Anti-Mouse CD70 (TAN 1-7) In Vivo Antibody - Low Endotoxin

Product Code: ICH1169

Bulk anti-CD70 In Vivo Antibody - Low Endotoxin (TAN1-7)

Product Benefits:

ichorbio's anti- CD70 In Vivo Antibody - Low Endotoxin (TAN1-7) 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%). ichorbio: the best antibodies for *in vivo* research.

Target:

CD70

Other Names:

CD27 Ligand, TNFSF7, Tumor Necrosis Factor Ligand 8A, CD27L, CD70 Antigen.

Clone:

TAN1-7

Size:

ichorbio's TAN1-7 *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-CD70 TAN1-7 clone - please contact us for pricing.

Isotype:

Rat IgG2a k

Uniprot:

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Host:

Rat

Species Reactivity:

Mouse

Specificity:

Clone TAN 1-7 recognizes mouse CD70.

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:

CD70 is expressed on activated T Cells, B Cells, and dendritic cells.

Background:

CD70, a cytokine and also known as CD27 ligand, is a member of the tumor necrosis family. As a cytokine, CD70 plays a role in regulating B cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis. Non-small cell lung cancer research has shown that CD70 increases the survivability of tumor cells and T cells by signaling through its receptor CD27.

Immunogen:

Recombinant mouse CD70 (extracellular domain, aa residues 41-195).

Concentration:

>2.0 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 $\leq 5\%$

Aggregation level $\leq 1\%$

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, Blocking

Application Notes:

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

Use:

Products are for research use only.

Alternative Names:

- CD 27L antibody
- CD 70 antibody
- CD27 L antibody
- CD27 LG antibody
- CD27 ligand antibody
- CD27-L antibody
- CD27L antibody
- CD27LG antibody
- CD70 antibody
- CD70 antigen antibody
- CD70 molecule antibody
- CD70_HUMAN antibody
- Ki 24 antigen antibody
- Ki24 antigen antibody
- Surface antigen CD70 antibody
- TNFSF 7 antibody
- TNFSF7 antibody
- Tumor necrosis factor (ligand) superfamily, member 7 antibody
- Tumor necrosis factor ligand superfamily member 7 antibody