

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

**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:

[O55237](#)

## 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 ? 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, 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