

## Anti-CD70 [TAN 1-7] Bulk Size Ab00816-2.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors. Developed in partnership with Ximbio ([www.ximbio.com](http://www.ximbio.com)).

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2a, [Fc Silent™](#), Kappa

**Clone Number:** TAN 1-7

**Alternative Name(s) of Target:** TNFRS7; Tumor Necrosis Factor Ligand Superfamily Member 7; CD27 Ligand; CD27LG; TNFSF7; CD27L; Tumor Necrosis Factor Ligand 8A; Surface Antigen CD70; Ki-24 Antigen; CD70 Antigen; TNLG8A; TAN1-7; TAN17

**UniProt Accession Number of Target Protein:** Q05A52

**Published Application(s):** Block, ELISA, FC, IF

**Published Species Reactivity:** Mouse

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

**Specificity:** This antibody binds to mouse CD70.

**Application Notes:** This antibody can be used to detect mouse CD70, the ligand for CD27. The original rat IgG1 format has been used in vivo to inhibit CD70-CD27 mediated induction of interferon gamma following injection of glycolipid activators .

**Antibody First Published in:** Arora et al. A single subset of dendritic cells controls the cytokine bias of natural killer T cell responses to diverse glycolipid antigens. Immunity. 2014 Jan 16;40(1):105-16

[PMID:24412610](#)

**Note on publication:** Describes the generation and initial characterisation of this antibody and its use in vivo.

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.