

## Anti-CD70 [BU69] Standard Size Ab00818-10.3

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 human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** BU69

**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:** P32970

**Published Application(s):** FACS, IP, IHC

**Published Species Reactivity:** Human

**Immunogen:** Murine antibodies were produced by immunising BALB/c mice using the Waldenstrom's macroglobulinaemia cell line WM-1. Hybridomas were generated by fusion of immunised cells with the myeloma cell line P3/NS1/1-Ag4.1 via established methods.

**Specificity:** This antibody binds human CD70, which is the CD27 ligand. This protein is present only on activated dendritic cells and T lymphocytes, and represents a therapeutic target of relevance for autoimmune diseases.

**Application Notes:** BU69 has been used for FACS and immunocytochemistry analysis of the cell-surface expression levels of CD70 in renal cell carcinomas (Adam et al, 2006). It was shown in this study that cell-surface binding of BU69 to CD70 caused rapid internalisation of the cell-surface glycoprotein.

**Antibody First Published in:** Edited by Schlossman et al. Leukocyte typing V: White cell differentiation antigens Oxford [PMID:](#)

**Note on publication:** Describes the repertoire of leukocyte differentiation antigens (i.e. Clusters of Differentiation, and other such cell-surface molecules), specifically using a panel of mAbs to then facilitate characterisation of distinct cell types based on their antibody reactivity patterns.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.