

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).

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.