

Mouse CD70 Monoclonal Antibody | anti-CD70 antibody

MOUSE ANTI HUMAN CD70

CATALOG # AAA49527	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay, Immunohistochemistry
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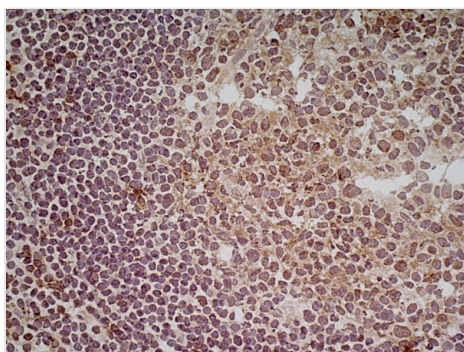
PRODUCT SYNONYMS

CD70; Monoclonal Antibody; MOUSE ANTI HUMAN CD70; anti-CD70 antibody

PRODUCT SPECIFICATIONS

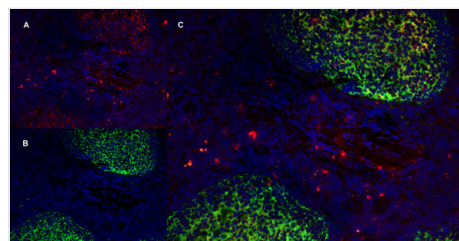
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	Bu69
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	193
Applicable Applications for anti-CD70 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



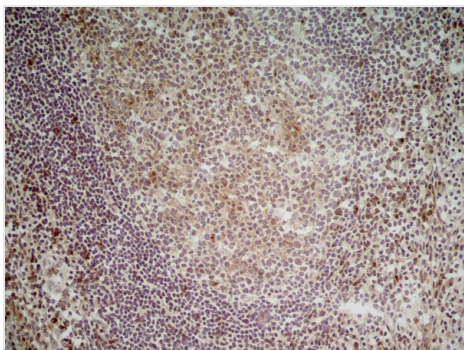
Application Data

Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD70 antibody, clone Bu69 followed by the Histar selection system . High power



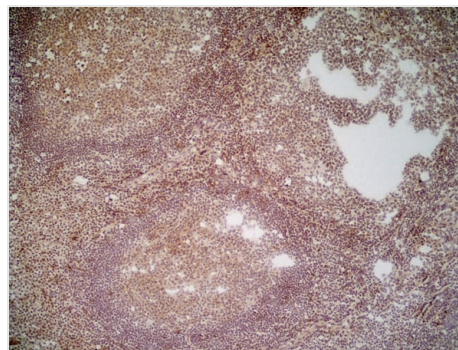
Application Data

Immunofluorescence staining of a human tonsil cryosection with Mouse anti Human CD70 antibody, clone Bu69 , red in A and Mouse anti Human CD21 antibody, clone LB21 , green in B. C is the merged image with nuclei counterstained blue using DAPI. Low power



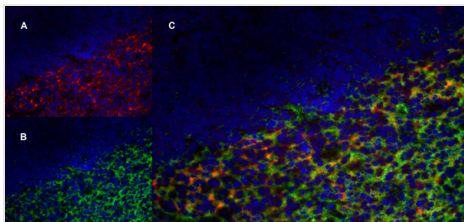
Application Data

Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD70 antibody, clone Bu69 followed by the Histar selection system . Medium power



Application Data

Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD70 antibody, clone Bu69 followed by the Histar selection system . Low power



Application Data

Immunofluorescence staining of a human tonsil cryosection with Mouse anti Human CD70 antibody, clone Bu69 , red in A and Mouse anti Human CD21 antibody, clone LB21 , green in B. C is the merged image with nuclei counterstained blue using DAPI. High power

ADDITIONAL INFORMATION

Related Product Information for anti-CD70 antibody

Mouse anti Human CD70 antibody, clone Bu69 recognises human CD70, also known as CD27 ligand (CD27-L) or Tumor necrosis factor ligand superfamily member 7. CD70 is a 193 amino acid ~29kDa single pass type II transmembrane glycoprotein belonging to the tumour necrosis factor (TNF) family (UniProt: P32970). CD70 is expressed on a small number of activated T-cells and the majority of activated B-cells (Bowman et al. 1994). Interaction of CD70 with its receptor, CD27, is thought to play an important role in lymphocyte activation, proliferation, survival and differentiation (Hintzen et al. 1994). Mouse anti Human CD70 antibody, clone Bu69 has been used for the inhibition of neural stem cell induced apoptosis of allogeneic T cells in vitro (Lee et al. 2013).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507605
NCBI GeneID	970
NCBI Accession #	NP_001243.1
NCBI GenBank Nucleotide #	NM_001252.4
UniProt Accession #	P32970 ; Q53XX4 ; Q96J57 ; B4DPR8
Molecular Weight	23,438 Da
NCBI Official Full Name	CD70 antigen
NCBI Official Synonym Full Names	CD70 molecule
NCBI Official Symbol	CD70
NCBI Official Synonym Symbols	CD27L; CD27LG; TNFSF7
NCBI Protein Information	CD70 antigen; CD27 ligand; CD27-L; Ki-24 antigen; surface antigen CD70; tumor necrosis factor (ligand) superfamily, member 7; tumor necrosis factor ligand superfamily member 7
UniProt Protein Name	CD70 antigen

UniProt Gene Name	CD70
UniProt Synonym Gene Names	CD27L; CD27LG; TNFSF7; CD27-L
UniProt Entry Name	CD70_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd70-antibody-clone-bu69-flow-cytometry-immunohistochemistry-elisa/49527>