CD70 / TNFSF7 (Activated T- & B-Lymphocyte Marker) Antibody

Mouse Monoclonal Antibody [Clone BU69]

Catalog No	Format	Size
970-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
970-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
970-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

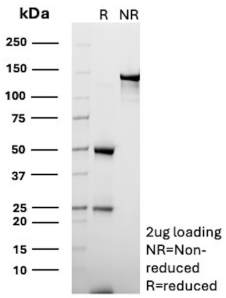
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	BU69
Gene Name	CD70
Immunogen	Human WM-1 (Waldenstrom s macroglobulinemia) cell line
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	30kDa
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	Raji cells. Lymph node or tonsil.

**Optimal dilution for a specific application should be determined.*

Product Images for CD70 / TNFSF7 (Activated T- & B-Lymphocyte Marker) Antibody



SDS-PAGE Analysis of Purified CD70 Mouse Monoclonal Antibody (BU69).
Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

It recognizes a protein of 30kDa, identified as CD70. It is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF27/CD27. It is a surface antigen on activated, but not on resting, T- and B-lymphocytes. It induces proliferation of co-stimulated T cells, enhances the generation of cytolytic T cells, and contributes to T cell activation. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis. This MAb blocks the interaction between CD27 and CD70, and has been shown toinhibit T cell proliferation induced by dendritic cells.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

AKT Signaling, B Cell Markers, Cytokine Signaling, Immune checkpoint, Immuno Oncology, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.