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36-3649: Anti-CD70 / TNFSF7 (Activated T- & B-Lymphocyte Marker) Monoclonal Antibody(Clone: BU69)

Clonality :	Monoclonal
Clone Name :	BU69
Application :	ELISA,FACS,IF,IP,IHC
Reactivity :	Human
Gene :	CD70
Gene ID :	970
Uniprot ID :	P32970
Alternative Name :	CD27 ligand (CD27L); CD27LG; Ki24; Surface antigen CD70; Tumor necrosis factor (ligand) superfamily, member 7 (TNFSF7)
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Human WM-1 (Waldenstrom s macroglobulinemia) cell line

Description

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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/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 condition :	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.

Application Note

ELISA (For coating, order Ab without BSA); ,Inhibits T cell proliferation induced by dendritic cells (Order Ab without Azide); ,Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); ,Immunoprecipitation (1-2ug/500ug protein lysate); ,Immunohistochemistry (Frozen) (1-2ug/ml for 30 minutes at RT),

For Research Use Only. Not for use in diagnostic/therapeutics procedures.