

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	BU69
<b>Application :</b>	ELISA,FACS,IF,IP,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD70
<b>Gene ID :</b>	970
<b>Uniprot ID :</b>	P32970
<b>Alternative Name :</b>	CD27 ligand (CD27L); CD27LG; Ki24; Surface antigen CD70; Tumor necrosis factor (ligand) superfamily, member 7 (TNFSF7)
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	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 to inhibit T cell proliferation induced by dendritic cells.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	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.
<b>Storage condition :</b>	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),