

## Product datasheet for **AM05527PU-N**

### CD70 Mouse Monoclonal Antibody [Clone ID: Bu69]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Bu69
Applications:	FC, IHC
Recommended Dilution:	<b>Immunohistochemistry on frozen sections.</b> <b>Flow Cytometry:</b> 1/50 - 1/200.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognises CD70, a 29kD type II transmembrane protein that belongs to the tumour necrosis factor (TNF) family. CD70 is expressed on a small number of activated T-cells and the majority of activated B-cells. Interaction of CD70 with its receptor, CD27, is thought to play an important role in lymphocyte activation, proliferation, survival and differentiation.
Formulation:	PBS, pH7.4 containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD70 molecule
Database Link:	<a href="#">Entrez Gene 970 Human P32970</a>



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<b>Background:</b>	CD70 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 costimulated 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.
<b>Synonyms:</b>	CD27 ligand, CD27L, CD27LG, TNFSF7
<b>Protein Families:</b>	ES Cell Differentiation/IPS, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction