

## Product datasheet

### anti-CD70 mouse monoclonal, EBS-CD-039, purified

#### Short overview

<b>Cat. No.</b>	691601
<b>Quantity</b>	1 ml (100 µg/ml)
<b>Concentration</b>	100 µg/ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1 kappa
<b>Clone</b>	EBS-CD-039
<b>Immunogen</b>	Human WM-1 (Waldenstrom's macroglobulinemia) cells
<b>Formulation</b>	PBS with 0.02% sodium azide
<b>UniprotID</b>	P32970 (Human)
<b>Synonym</b>	CD70 antigen, CD27 ligand, CD27-L, Tumor necrosis factor ligand superfamily member 7, CD antigen CD70, CD70, CD27L, CD27LG, TNFSF7
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	ELISA, FACS, ICC/IF, IHC, IP
<b>Reactivity</b>	Human

#### Applications

<b>ELISA</b>	Assay dependent
<b>Flow Cytometry (FACS)</b>	0.5-1.0 µg/million cells in 0.1 ml
<b>Immunocytochemistry (ICC)</b>	1:100-1:200 (0.5-1.0 µg/ml)
<b>Immunohistochemistry (IHC) - frozen</b>	1:50-1:100 (1-2 µg/ml)
<b>Immunoprecipitation (IP)</b>	Assay dependent

#### Background

CD70 is a 30 kDa cytokine that belongs to the tumor necrosis factor (TNF) ligand family. CD70 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. It further plays a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis. EBS-CD-039 blocks the interaction between CD27 and CD70, and has been shown to inhibit T-cell proliferation induced by dendritic cells.

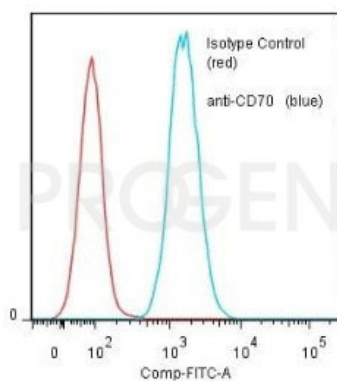
Positive control: Raji cells, lymph node or tonsil.

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## Product images



FACS with Raji cells