Product datasheet

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

Short overview

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

Product description

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

Applications

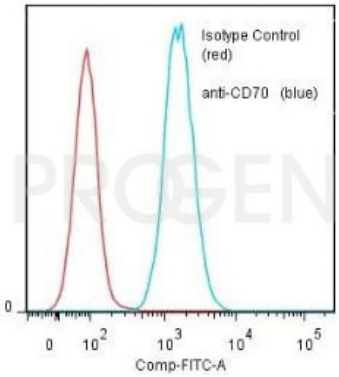
ELISA	Assay dependent
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunoprecipitation (IP)	Assay dependent

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, enhaces the generation of cytolytic T-cells, and constributes to T-cell activation. It futher 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.

Product images



FACS with Raji cells