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43-1005: Monoclonal Antibody to Mouse CD70 NALE™ Purified (Clone: FR70)

Clonality :	Monoclonal
Clone Name :	FR70
Application :	FACS
Reactivity :	Mouse
Gene :	Cd70
Gene ID :	21948
Uniprot ID :	O55237
Alternative Name :	CD27 ligand, Tumor necrosis factor ligand superfamily member 7, Cd27l, Cd27lg, Tnfsf7
Isotype :	Rat IgG2b, kappa

Description

The FR70 monoclonal antibody specifically binds to mouse CD70, a 30-33 kDa type II transmembrane protein and member of the TNF superfamily. CD70 is the ligand for CD27 and is expressed on dendritic cells, activated B cell, and a subset of activated T cells at lower levels. Its main role is in regulating B cell activation and immunoglobulin synthesis. CD70 expressing cells are able to co-stimulate T cell proliferation and upregulate cytokine production. The FR70 antibody is reported to block the binding of CD70 to CD27.

Product Info

Amount :	100 ug / 500 µg
Content :	1 mg/ml in Phosphate-buffered aqueous solution, ph7.2.
Storage condition :	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

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