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43-1070: Monoclonal Antibody to Mouse/Rat CD40 NALE™ Purified (Clone: HM40-3)

Clonality :	Monoclonal
Clone Name :	HM40-3
Application :	FACS
Reactivity :	Mouse
Gene :	Cd40
Gene ID :	21939/ 171369
Uniprot ID :	P27512/Q4QQW2
Alternative Name :	Tnfrsf5, B-cell surface antigen CD40, Bp50, CD40L receptor
Isotype :	Armenian Hamster IgM, kappa

Description

The HM40-3 monoclonal antibody reacts with mouse CD40, a 48 kDa type I glycoprotein known as Bp50. CD40 is part of the TNFR family and expressed on a subset of T cells, B cells, dendritic cells, and macrophages. It has been shown to be involved in the protection of B cells from apoptosis, B cell differentiation, co-stimulation, and isotype class-switching. The HM40-3 antibody blocks the binding of CD40L (CD154) and stimulates B and dendritic cell proliferation.

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.