

## Product datasheet for **TA320279**

### Cd40 Hamster Monoclonal Antibody [Clone ID: HM40-3]

#### Product data:

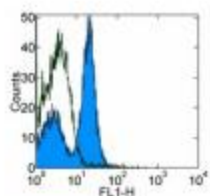
Product Type:	Primary Antibodies
Clone Name:	HM40-3
Applications:	FC
Recommended Dilution:	Flow, IHC, Functional Assay
Reactivity:	Mouse, Rat
Host:	Hamster
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD40 antigen
Database Link:	<a href="#">NP_035741</a> <a href="#">Entrez Gene 171369 RatEntrez Gene 21939 Mouse P27512</a>

**Background:** The HM40-3 monoclonal antibody reacts with mouse and rat CD40, a 45-50 kDa type I transmembrane glycoprotein. CD40 is a member of the TNFR family and is expressed by mouse B lymphocytes, follicular dendritic cells, thymic epithelium, and a subset of peripheral T cells. CD40 regulates B cell development/maturation by inducing Ig isotype switching and in combination with other signals such as IL-4, protects B cells from surface Ig-induced apoptosis and promotes proliferation. Interaction of CD40 with CD154 (gp39), its ligand on T cells, is important in T-B cell crosstalk and plays a role in costimulation and immune regulation.

**Synonyms:** Bp50; CDW40; MGC9013; p50; TNFRSF5



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**Product images:**

Staining of BALB/c splenocytes with 0.5 ug Armenian Hamster IgG Isotype Control Purified (open histogram) or 0.5 ug Anti-Mouse/Rat CD40 Purified (filled histogram) followed by Anti-Armenian Hamster IgG FITC. Total viable cells were used for analysis.