

## Product datasheet for **AM31861BT-N**

### Cd27 Hamster Monoclonal Antibody [Clone ID: LG.3A10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	LG.3A10
Applications:	FC, FN, IHC
Recommended Dilution:	<b>Flow Cytometry.</b> <b>Functional studies (stimulating).</b> <b>Immunohistochemistry on Frozen Sections.</b>
	Tissue Distribution by Flow Cytometry Analysis: Mouse Strain: BALB/c Cell Concentration : 1x10 <sup>6</sup> cells per tests Antibody Concentration Used: 0.5 µg/10 <sup>6</sup> cells Isotypic Control: PE Hamster IgG
Reactivity:	Mouse
Host:	Hamster
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	MCD27 tag expressing clones AR0524 and AR0530 <u>Donor:</u> Armenian hamster spleen <u>Fusion Partner:</u> SP2/0 Murine Myeloma Partner
Specificity:	This Monoclonal Antibody is specific for the Mouse CD27 receptor.
Formulation:	PBS Label: Biotin State: Liquid purified IgG fraction Stabilizer: EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Conjugation:	Biotin



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<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	CD27 antigen
<b>Database Link:</b>	<a href="#">Entrez Gene 21940 Mouse P41272</a>
<b>Background:</b>	CD27 is part of the Tumor Necrosis Factor (TNF) family of receptors and is lymphocyte specific. Murine CD27 is expressed on the great majority of both $\alpha\beta$ and $\gamma\delta$ T lymphocytes, on a small population of peripheral B cells and on a very small subset of B220+ cells in the bone marrow. Murine CD27 is found on all thymocytes except a subset of CD4-CD8-precursors. There are two known basic functions of CD27 signaling. First, the binding of CD27 to CD70, a protein which is also expressed in T and B cells, provides costimulatory signals in lymphocyte proliferation and immunoglobulin production. Second, the association of CD27 with intracellular Siva, a proapoptotic protein, results in the induction of apoptotic events.
<b>Synonyms:</b>	TNFRSF7, CD27L receptor, T14