

## Product datasheet for **AM31861AF-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</b> (stimulating). <b>Immunohistochemistry on Frozen Sections.</b> <b>Immunohistochemistry on Paraffin Sections:</b> This clone (LG.3A10) has been reported to work on Paraffin tissue sections.
Reactivity:	Mouse
Host:	Hamster
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	MCD27 tag expressing clones AR0524 and AR0530 from Armenian Hamster spleen.
Specificity:	Recognizes Mouse CD27 receptor.
Formulation:	PBS State: Azide Free State: Liquid purified (0.2 µm sterile filtered) IgG fraction Preservative: None
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD27 antigen
Database Link:	<a href="#">Entrez Gene 21940 Mouse P41272</a>



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**Background:**

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.

**Synonyms:**

TNFRSF7, CD27L receptor, T14