

## Product datasheet for **TA320251**

### CD27 Hamster Monoclonal Antibody [Clone ID: LG.3A10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	LG.3A10
Applications:	FC
Recommended Dilution:	Flow, IHC, IP
Reactivity:	Human, Mouse
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:	CD27 molecule
Database Link:	<a href="#">NP_001233</a> <a href="#">Entrez Gene 21940 Mouse</a> <a href="#">Entrez Gene 939 Human</a> <a href="#">P26842</a>

**Background:** The LG.3A10 monoclonal antibody reacts with mouse CD27, a lymphocyte-specific member of the TNFR superfamily. CD27 is expressed by virtually all mature T cells and by a subpopulation of B cells, mainly memory B cells. In mouse, CD27 has been found on nearly all thymocytes excluding a population of CD46-CD8- precursors. CD27 binds to CD70 and, through this interaction, plays an important role in T cell-B cell interaction. It has been reported that triggering CD27 plays an important role in the maturation of CD4+ and CD8+ effector cells. LG.8F10 cross-reacts with human and rat CD27. When the monoclonal antibody LG.3A10 is crosslinked on purified T cells, proliferation is increased. In the absence of crosslinking, the antibody inhibits CD27-CD70 interaction.

**Synonyms:** S152; S152. LPFS2; T14; TNFRSF7; Tp55

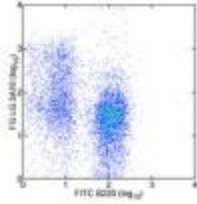
**Protein Families:** Druggable Genome, Transmembrane



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Protein Pathways: Cytokine-cytokine receptor interaction

### Product images:



Staining of BALB/c splenocytes with Anti-Human/Mouse CD45R (B220) FITC and 0.125 ug Anti-CD27 Purified followed by Anti-Armenian Hamster IgG PE. Total viable cells were analyzed.