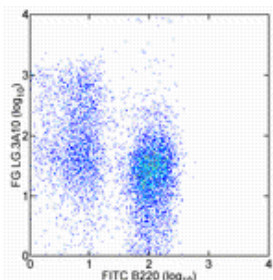


## Anti-Human/Mouse CD27 Functional Grade Purified

Catalog Number: 16-0272

Also Known As: TNFRSF7

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of BALB/c splenocytes with Anti-Human/Mouse CD45R (B220) FITC (cat. 11-0452) and 0.125 ug of Anti-Human/Mouse CD27 Functional Grade Purified followed by Anti-Armenian Hamster IgG PE (cat.12-4888). Total viable cells were analyzed.

### Product Information

**Contents:** Anti-Human/Mouse CD27 Functional Grade Purified

**REF** Catalog Number: 16-0272

**Clone:** LG.3A10

**Concentration:** 1 mg/mL

**Host/Isotype:** Armenian Hamster IgG


**Handling Conditions:** Use in sterile environment.

**Endotoxin Level:** Less than 0.001 ng/ug antibody, as determined by the LAL assay.

**Formulation:** aqueous buffer, no sodium azide

 **Temperature Limitation:** Store at 2-8°C.

**LOT** **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

### Description

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.

### Applications Reported

This LG.3A10 antibody has been reported for use in flow cytometric analysis, and immunohistology staining of frozen tissue sections.

### Applications Tested

This LG.3A10 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### Related Products

11-0452 Anti-Human/Mouse CD45R (B220) FITC (RA3-6B2)

16-0271 Anti-CD27 Functional Grade Purified (LG.7F9)

16-4888 Armenian Hamster IgG Isotype Control Functional Grade Purified (eBio299Arm)

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