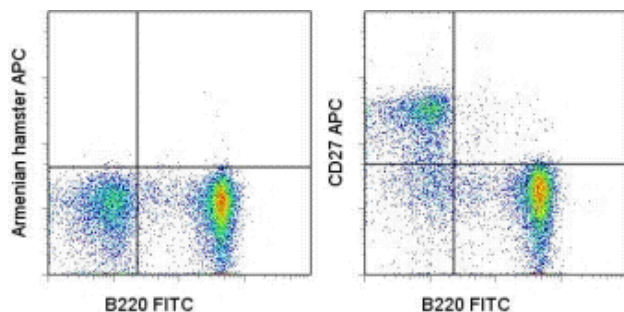


## Anti-CD27 APC

**Catalog Number:** 17-0271

**Also Known As:** TNFRSF7

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



Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) FITC (cat. 11-0452) and 0.03 ug of Armenian Hamster IgG Isotype Control APC (cat. 17-4888) (left) or 0.03 ug of Anti-CD27 APC (right). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-CD27 APC

**REF** **Catalog Number:** 17-0271

**Clone:** LG.7F9

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Armenian Hamster IgG

**HLDA Workshop:** N/A

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

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

**Use By:** Refer to Vial

**Caution, contains Azide**

### Description

The LG.7F9 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.7F9 cross-reacts with human and rat CD27.

### Applications Reported

The LG.7F9 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

The LG.7F9 antibody has been tested by flow cytometric analysis of mouse splenocyte cell suspensions. This can be used at less than or equal to 0.06 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.

### References

Gravestine LA, Nieland JD, Kruisbeek AM, Borst J. 1995. Novel mAbs reveal potent co-stimulatory activity of murine CD27. *International Immunology* 7(4): 551-557

Tesselaar K, Gravenstine LA, et al. 1997. Characterization of Murine CD70, the Ligand of the TNF Receptor Family Member CD27. *The Journal of Immunology* 159: 4959-4965

Tesselaar K, Xiao Y, et al. 2002. Expression of the Murine CD27 Ligand CD70 in Vitro and In Vivo. *The Journal of Immunology* 170: 33-40

### Related Products

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

17-4888 Armenian Hamster IgG Isotype Control APC (eBio299Arm)

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