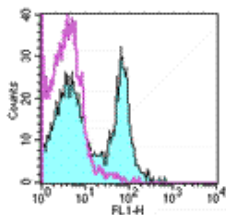


Anti-CD27 Purified

Catalog Number: 14-0271

Also Known As: TNFRSF7

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



Staining of mouse splenocytes with 0.25 ug Hamster IgG Isotype Control Purified (cat. 14-4888) (open histogram) or 0.25 ug Anti-CD27 Purified (filled histogram) followed by Anti-Armenian Hamster IgG FITC (cat.11-4111). Total viable cells were used for analysis.

Product Information

Contents: Anti-CD27 Purified

REF **Catalog Number:** 14-0271

Clone: LG.7F9

Concentration: 0.5 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.



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, and immunoprecipitation. Use of mild detergent lysates is recommended when performing immunoprecipitation with this mAb. LG.7F9 has also been reported in blocking of ligand binding. (Please use Functional Grade purified LG.7F9, cat. 16-0271, in functional assays.)

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 0.5 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 10⁵ to 10⁸ 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

11-4111 Anti-Armenian Hamster IgG FITC

14-4888 Armenian Hamster IgG Isotype Control Purified (eBio299Arm)

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