

CD27 Monoclonal Antibody (LG.7F9), APC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse
Host/Isotope	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	LG.7F9
Conjugate	APC
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_469370

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	0.06 µg/test	13 Publications

Product Specific Information

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.

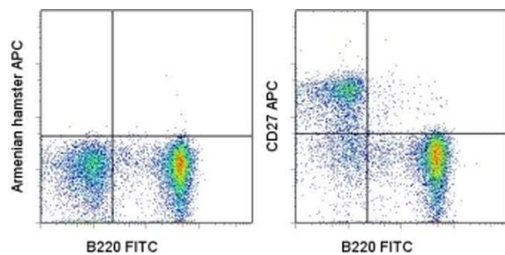
Applications Reported: The LG.7F9 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The LG.7F9 antibody has been tested by flow cytometric analysis of mouse splenocytes. 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD27 Monoclonal Antibody (LG.7F9), APC, eBioscience™



CD27 Antibody (17-0271-82) in Flow

Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) FITC (Product # 11-0452-82) and 0.03 µg of Armenian Hamster IgG Isotype Control APC (Product # 17-4888-82) (left) or 0.03 µg of Anti-CD27 APC (right). Total viable cells were used for analysis.

[View more figures on thermofisher.com](#)

13 References

Flow Cytometry (13)

The Journal of experimental medicine

NKT sublineage specification and survival requires the ubiquitin-modifying enzyme TNFAIP3/A20.

"17-0271 was used in Flow cytometry/Cell sorting to show that negative regulation of TCR signalling during NKT development controls the differentiation and survival of NKT1 and NKT2 cells."

Authors: Drennan MB, Govindarajan S, Verheugen E, Coquet JM, Staal J, McGuire C, Taghon T, Leclercq G, Beyaert R, van Loo G, Lambrecht BN, Elewaut D

Species
Mouse

Dilution
Not Cited

Year
2016

Nature communications

NK cell development requires Tsc1-dependent negative regulation of IL-15-triggered mTORC1 activation.

"Published figure using CD27 monoclonal antibody (Product # 17-0271-82) in Flow Cytometry"

Authors: Yang M, Chen S, Du J, He J, Wang Y, Li Z, Liu G, Peng W, Zeng X, Li D, Xu P, Guo W, Chang Z, Wang S, Tian Z, Dong Z

Species
Not Applicable

Dilution
Not Cited

Year
2016

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

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