

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

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse, Human
Host/Isotope	Armenian hamster / IgG
Class	Monoclonal
Type	Antibody
Clone	LG.7F9
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_467183

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	0.5 µg/test	26 Publications
Miscellaneous PubMed (MISC)	-		1 Publication
Functional Assay (FN)	✓	Assay-Dependent	
Immunoprecipitation (IP)	✓	Assay-Dependent	
Neutralization (Neu)	✓	Assay-Dependent	

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, 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.)

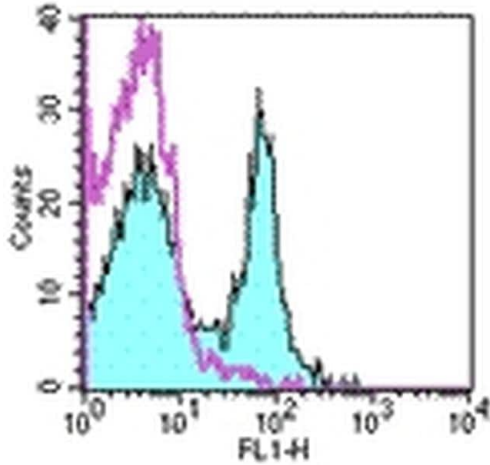
Applications Tested: The LG.7F9 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined 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.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD27 Antibody (14-0271-82) in Flow

Staining of mouse splenocytes with 0.25 µg Hamster IgG Isotype Control Purified (Product # 14-4888-81) (open histogram) or 0.25 µg Anti-CD27 Purified (filled histogram) followed by Anti-Armenian Hamster IgG FITC (Product # 11-4111). Total viable cells were used for analysis.

[View more figures on thermofisher.com](http://thermofisher.com)

27 References

Flow Cytometry (26)

Cell reports

Non-redundant ISGF3 Components Promote NK Cell Survival in an Auto-regulatory Manner during Viral Infection.

Authors: Geary CD,Krishna C,Lau CM,Adams NM,Gearty SV,Pritykin Y,Thomsen AR,Leslie CS,Sun JC

Species
Mouse

Dilution
Not Cited

Year
2018

Leukemia

Casein kinase 2 controls the survival of normal thymic and leukemic T cells via promotion of AKT signaling.

"14027182 was used in flow cytometry to identify a role for CK2 in healthy human thymocytes in the selection of the gamma delta T-cell lineage"

Authors: Ribeiro ST,Tesio M,Ribot JC,Macintyre E,Barata JT,Silva-Santos B

Species
Human

Dilution
Not Cited

Year
2017

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

Miscellaneous PubMed (1)

Journal of immunology (Baltimore, Md. : 1950)

Characterization of murine CD70, the ligand of the TNF receptor family member CD27.

Authors: Tesselaar K,Gravestein LA,van Schijndel GM,Borst J,van Lier RA

Species
Not Applicable

Dilution
Not Cited

Year
1997

More applications with references on thermofisher.com

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