

CD127 Monoclonal Antibody (A7R34), APC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotope	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	A7R34
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_469435

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	1 µg/test	34 Publications
Immunofluorescence (IF)	-		1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-		1 Publication

Product Specific Information

Description: The A7R34 monoclonal antibody reacts with mouse CD127, the high affinity alpha subunit of the mouse IL-7 receptor. IL-7 receptor alpha chain is expressed by immature B cells in the bone marrow, double-negative (CD4-CD8-), single-positive (CD4+ and CD8+), but not double-positive (CD4+CD8+) thymocytes. In the periphery, mature T cells express CD127 at low level. A7R34 inhibits binding of IL-7 to its receptor and has been used in in vivo and in vitro studies to elucidate the role of IL-7 in T and B cell development and activation. Binding of A7R34 blocks the binding of SB/199, another antibody which recognizes mouse CD127.

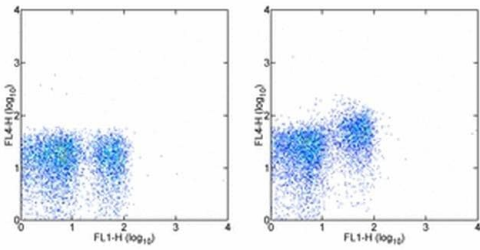
Applications Reported: The A7R34 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The A7R34 antibody has been tested by flow cytometric analysis of mouse thymocytes and splenocytes. This can be used at less than or equal to 1 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 CD127 Monoclonal Antibody (A7R34), APC, eBioscience™



CD127 Antibody (17-1271-82) in Flow

Staining of C57BL/6 splenocytes with Anti-Mouse CD3e FITC (Product # 11-0031-82) and 0.5 µg of Rat IgG2a K Isotype Control APC (Product # 17-4321-81) (left) or 0.5 µg of Anti-Mouse CD127 APC (right). Cells in the lymphocyte gate were used for analysis.

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

36 References

Flow Cytometry (34)

Wellcome open research

Conventional NK cells and ILC1 are partially ablated in the livers of Ncr1^{iCre}Tbx21^{fl/fl} mice.

"17-1271 was used in Flow cytometry/Cell sorting to examine the role of Tbet-dependent type I innate lymphoid cells in the murine liver."

Authors: Cuff AO, Male V

Species
Mouse

Dilution
Not Cited

Year
2018

Nature communications

Runx-dependent and silencer-independent repression of a maturation enhancer in the Cd4 gene.

Authors: Kojo S, Yasmin N, Muroi S, Tenno M, Taniuchi I

Species
Mouse

Dilution
Not Cited

Year
2018

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

Immunofluorescence (1)

Journal of immunology (Baltimore, Md. : 1950)

LTbetaR signaling induces cytokine expression and up-regulates lymphangiogenic factors in lymph node anlagen.

Authors: Vondenhoff MF, Greuter M, Goverse G, Elewaut D, Dewint P, Ware CF, Hoorweg K, Kraal G, Mebius RE

Species
Not Applicable

Dilution
Not Cited

Year
2009

Immunohistochemistry (Frozen) (1)

The American journal of pathology

Foxp3-expressing CD103+ regulatory T cells accumulate in dendritic cell aggregates of the colonic mucosa in murine transfer colitis.

Authors: Leithäuser F, Meinhardt-Krajina T, Fink K, Wotschke B, Möller P, Reimann J

Species
Not Applicable

Dilution
Not Cited

Year
2006

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