

CD127 Monoclonal Antibody (A7R34), FITC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	A7R34
Conjugate	FITC
Form	Liquid
Concentration	0.5 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_465195

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunofluorescence (IF)	-	1 Publication
Flow Cytometry (Flow)	1 µg/test	32 Publications

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.

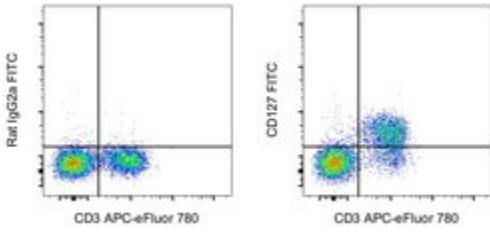
Applications Reported: The A7R34 antibody has been reported for use in flow cytometric analysis.

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: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD127 Monoclonal Antibody (A7R34), FITC, eBioscience™



CD127 Antibody (11-1271-82) in Flow

C57BL/6 mouse splenocytes were stained with CD3e Monoclonal Antibody, APC-eFluor 780 (Product # 47-0031-82) and 0.5 µg of Rat IgG2a kappa Isotype Control, FITC (Product # 11-4321-85) (left) or 0.5 µg of CD127 Monoclonal Antibody, FITC (right). Cells in the lymphocyte gate were used for analysis.

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

34 References

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

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

Flow Cytometry (32)

Blood

IFN induces monopoiesis and inhibits neutrophil development during inflammation.

"11-1271 was used in Flow cytometry/Cell sorting to demonstrate that the pro-inflammatory cytokine IFN is involved in orchestrating inflammation-induced myelopoiesis."

Authors: de Bruin AM,Libregts SF,Valkhof M,Boon L,Touw IP,Nolte MA

Species
Mouse

Dilution
Not Cited

Year
2012

BMC biology

Elongated TCR alpha chain CDR3 favors an altered CD4 cytokine profile.

"11-1271 was used in Flow cytometry/Cell sorting to study how the conformation of TCR alpha chain CDR3 favours different CD4 cytokine profiles."

Authors: Reynolds C,Chong D,Raynsford E,Quigley K,Kelly D,Llewellyn-Hughes J,Altmann D,Boyton R

Species
Mouse

Dilution
Not Cited

Year
2014

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

More applications with references on thermofisher.com

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