

CD127 Monoclonal Antibody (A7R34), APC, 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), 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	Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Flow Cytometry (Flow)	1 µg/test	38 Publications
Immunocytochemistry (ICC/IF)	-	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.

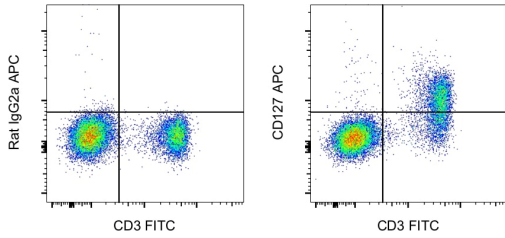
Applications Reported: The A7R34 antibody has been reported for use in flow cytometric analysis.

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

C57BL/6 mouse splenocytes were stained with 0.5 µg of Rat IgG2a kappa Isotype Control, APC (Product # 17-4321-81) (blue histogram) or 0.5 µg of CD127 Monoclonal Antibody, APC (purple histogram). Cells in the lymphocyte gate were used for analysis.

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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

Flow Cytometry (38)

Genome medicine

Early aberrant DNA methylation events in a mouse model of acute myeloid leukemia.

"17-1271 was used in Flow cytometry/Cell sorting to investigate the onset of aberrant DNA methylation events and their dynamics during leukemic progression."

Authors: Sonnet M,Claus R,Becker N,Zucknick M,Petersen J,Lipka DB,Oakes CC,Andrulis M,Lier A,Milsom MD,Witte T, Gu L, Kim-Wanner SZ,Schirmacher P,Wulfert M,Gattermann N,Lübbert M,Rosenbauer F,Rehli M,Bullinger L, Weichenhan D,Plass C

Species
Mouse

Dilution
Not Cited

Year
2014

Nature communications

Thymic stromal lymphopoietin induces corticosteroid resistance in natural helper cells during airway inflammation.

"17-1271 was used in Flow cytometry/Cell sorting to investigate the role of the IL-33/NH-cell axis in corticosteroid resistance."

Authors: Kabata H,Moro K,Fukunaga K,Suzuki Y,Miyata J,Masaki K,Betsuyaku T,Koyasu S,Asano K

Species
Mouse

Dilution
Not Cited

Year
2014

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

Immunocytochemistry (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

More applications with references on thermofisher.com

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