

CD127 Monoclonal Antibody (A7R34), PE-eFluor 610, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotope	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE-eFluor 610, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	A7R34
Conjugate	PE-eFluor® 610
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2802381

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	-

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: This A7R34 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This A7R34 antibody has been tested by flow cytometric analysis of mouse splenocytes. This may be used at less than or equal to 0.25 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.

PE-eFluor 610 can be excited with laser lines from 488-561 nm and emits at 607 nm. We recommend using a 610/20 band pass filter (equivalent to PE-Texas Red). Please make sure that your instrument is capable of detecting this fluorochrome.

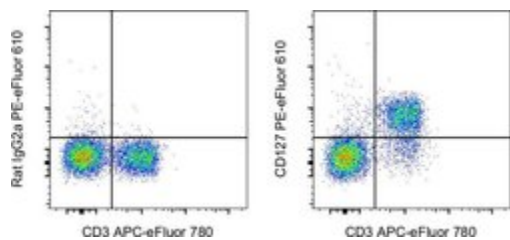
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-57) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET

efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488-561 nm; Emission: 607 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser

Product Images For CD127 Monoclonal Antibody (A7R34), PE-eFluor 610, eBioscience™



CD127 Antibody (61-1271-82) in Flow

C57BL/6 mouse splenocytes were stained with CD3e Monoclonal Antibody, APC-eFluor 780 (Product # 47-0031-82) and 0.125 μ g of Rat IgG2a kappa Isotype Control, PE-eFluor 610 (Product # 61-4321-82) (left) or 0.125 μ g of CD127 Monoclonal Antibody, PE-eFluor 610 (right). Cells in the lymphocyte gate were used for analysis.

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