



CD127 Antibody [A7R34] (Biotin)

CATALOG NUMBER: 76-908

Specifications

SPECIES REACTIVITY:	Mouse
TESTED APPLICATIONS:	FACS
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The A7R34 monoclonal antibody specifically reacts with the mouse CD127, the alpha subunit of the IL-7 receptor, expressed by immature B lymphocytes in the bone marrow, CD4-/CD8-, CD4+, and CD8+ thymocytes, and by mature T lymphocytes at low levels.
HOST SPECIES:	Rat

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
CONCENTRATION:	0.5 mg/mL
STORAGE CONDITIONS:	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Rat IgG2a, kappa
CONJUGATE:	Biotin

Additional Info

ALTERNATE NAMES:	CD127, IL-7Ralpha, IL7r
OFFICIAL SYMBOL:	IL7r
GENE ID:	16197

Background

BACKGROUND:	The A7R34 monoclonal antibody specifically reacts with the mouse CD127, the alpha subunit of the IL-7 receptor, expressed by immature B lymphocytes in the bone marrow, CD4-/CD8-, CD4+, and CD8+ thymocytes, and by mature T lymphocytes at low levels. Mature T cells express CD117 at low levels in the periphery. The A7R34 antibody prevents the interaction between IL-7 and its receptor and the binding of mAb SB/199, which also recognizes mouse CD127.
REFERENCES:	<p>1) Sudo, T., Nishikawa, S. A. T. O. M. I., Ohno, N. O. R. I. K. O., Akiyama, N. A. O. K. O., Tamakoshi, M. A. S. A. T. A. D. A., Yoshida, H. I. S. A. H. I. R. O. (1993). Expression and function of the interleukin 7 receptor in murine lymphocytes. <i>Proceedings of the National Academy of Sciences</i>, 90(19), 9125-9129.</p> <p>2) Hashi, H., Yoshida, H., Honda, K., Fraser, S., Kubo, H., Awane, M., ... Nishikawa, S. I. (2001). Compartmentalization of Peyer's patch anlagen before lymphocyte entry. <i>The Journal of Immunology</i>, 166(6), 3702-3709.</p> <p>3) Okuno, Y., Iwasaki, H., Huettner, C. S., Radomska, H. S., Gonzalez, D. A., Tenen, D. G., Akashi, K. (2002).</p>

FOR RESEARCH USE ONLY

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