



CD127 Antibody [A7R34]

CATALOG NUMBER: 76-906

Specifications

SPECIES REACTIVITY:

TESTED APPLICATIONS:

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: Unconjugated

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:

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- 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. *The Journal of Immunology*, 166(6), 3702-3709.
- 3) Okuno, Y., Iwasaki, H., Huettner, C. S., Radomska, H. S., Gonzalez, D. A., Tenen, D. G., Akashi, K. (2002).

FOR RESEARCH USE ONLY

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