

## IL7 Receptor alpha antibody [A7R34] (PE-Cy7)

Cat. No. GTX01473-10

|                     |              |
|---------------------|--------------|
| <b>Host</b>         | Rat          |
| <b>Clonality</b>    | Monoclonal   |
| <b>Isotype</b>      | IgG2a        |
| <b>Applications</b> | FCM          |
| <b>Reactivity</b>   | Human, Mouse |

References ( 7 )

Package

100 µg

## PRODUCT

## Summary

The A7R34 antibody is specific for mouse CD127, a 60-90 kDa cell surface protein also known as the Interleukin-7 Receptor alpha chain, or IL-7R alpha. CD127 is typically expressed at the cell surface as a heterodimer with the common gamma chain (CD132). This complex acts as the functional receptor for IL-7, a cytokine important in T and B cell development, and in mature T cell homeostasis. A second cytokine known as Thymic Stromal Lymphopoietin (TSLP) also binds to a receptor complex of CD127 and the TSLPR chain to trigger activation of dendritic cells, and is involved in B cell development, allergy and autoimmunity. The A7R34 antibody may be used as a phenotypic marker for CD127 on immature B cells, on subsets of thymocytes which are double negative (CD4-CD8- ) or single positive (CD4+ or CD8+), and at low levels on mature, peripheral T cells. CD127 is a key marker, when used in combination with CD4 and CD25, to distinguish Treg and effector/memory Treg populations known as T(REM).

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| FCM                | Assay dependent      |

Not tested in other applications.

## Properties

|                      |  |
|----------------------|--|
| <b>Form</b>          | Liquid   |
| <b>Buffer</b>        | 10mM NaH <sub>2</sub> PO <sub>4</sub> , 150mM NaCl, 0.1% Gelatin   |
| <b>Preservative</b>  | 0.09% Sodium azide   |
| <b>Storage</b>       | Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light. |
| <b>Concentration</b> | 0.2 mg/ml (Please refer to the vial label for the specific concentration.)   |
| <b>Purification</b>  | Purified by affinity chromatography<br>From tissue culture supernatant   |
| <b>Conjugation</b>   | Phycoerythrin-Cyanine7 (PE-Cy7) <a href="#">Wavelength</a>   |



For full product information, images and publications, please visit our [website](#).

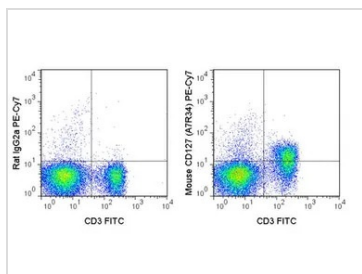
Date 2026 / 01 / 10 Page 1 of 2

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

## Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

## DATA IMAGES



### GTx01473-10 FCM Image

FACS analysis of mouse C57Bl/6 splenocytes using GTx01473-10 IL7 Receptor alpha antibody [A7R34] (PE-Cy7).

Right panel : co-stained with IL7 Receptor alpha antibody [A7R34] (PE-Cy7) and Mouse CD3 antibody (FITC)

Left panel : co-stained with isotype control and Mouse CD3 antibody (FITC)

antibody amount : 0.5  $\mu$ g (5  $\mu$ l)



For full product information, images and publications, please visit our [website](#).