

IL7 Receptor alpha antibody [A7R34] (PerCP-Cy5.5)

Cat. No. GTX01473-11

Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Application	FACS
Reactivity	Human, Mouse

Reference (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).

APPLICATION

Application Note

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

Suggested dilution	Recommended dilution
FACS	Assay dependent
Not tested in other applications.	
Calculated MW	52 kDa. (Note)

PROPERTIES

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 150mM NaCl, 0.1% Gelatin
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	0.2 mg/ml (Please refer to the vial label for the specific concentration.)
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Peridinin-chlorophyll proteins-Cyanine5.5 (PerCP-Cy5.5)

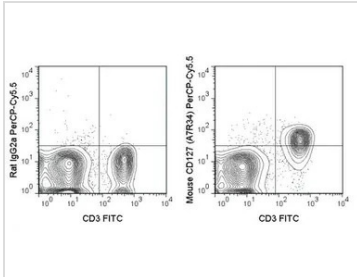


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Note

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

GTX01473-11 FACS Image

FACS analysis of mouse C57Bl/6 splenocytes using GTX01473-11 IL7 Receptor alpha antibody [A7R34] (PerCP-Cy5.5).

Right panel : co-stained with IL7 Receptor alpha antibody [A7R34] (PerCP-Cy5.5) and Mouse CD3 antibody (FITC)

Left panel : co-stained with isotype control and Mouse CD3 antibody (FITC)
antibody amount : 0.25 μ g (5 μ l)



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