

IL7 Receptor alpha antibody [A7R34]

Cat. No. GTX01473

Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Applications	IHC-Fr, FCM, IP, Activation, Depletion
Reactivity	Human, Mouse

References (8)

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
IHC-Fr	Assay dependent
FCM	Assay dependent
IP	Assay dependent
Activation	Assay dependent
Depletion	Assay dependent
Inhibition assay	Assay dependent

Not tested in other applications.

Properties

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 150mM NaCl
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
Concentration	0.5 mg/ml (Please refer to the vial label for the specific concentration.)



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Purification	Purified by affinity chromatography From tissue culture supernatant
Purity	> 90% (determined by SDS-PAGE)
Conjugation	Unconjugated
Note	<p>For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.</p> <p>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.</p>



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