

Technical Data Sheet

InVivoMAb anti-mouse IL-7R α (CD127)



Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at <https://bioxcell.com/terms-and-conditions>.

Lot Specific Information

Lot Number: Lot Specific*
Volume: Lot Specific*
Concentration: Lot Specific* (generally 4 to 11 mg/ml) *
Total Protein: Lot Specific*

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number: BE0065
Clone: A7R34
Isotype: Rat IgG2a, κ
Recommended Isotype Control(s): InVivoMAb rat IgG2a isotype control, anti-trinitrophenol
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: IL-7R α -IgG1 fusion protein
Reported Applications: *in vivo* blocking of IL-7R α signaling
Flow cytometry
Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives
Endotoxin: <2EU/mg (<0.002EU/ μ g)
Determined by LAL gel clotting assay
Purity: >95%
Determined by SDS-PAGE
Sterility: 0.2 μ m filtered
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_1107590](https://www.ebi.ac.uk/ols/ontologies/ab/term/AB_1107590)
Molecular Weight: 150 kDa

Description

The A7R34 monoclonal antibody reacts with mouse IL-7R α also known as CD127. IL-7R α is a 60-90 kDa type I transmembrane glycoprotein expressed on immature B cells, thymocytes, peripheral T cells, and bone marrow stromal cells. IL-7R α forms a heterodimer with the common γ chain (γ c or CD132) and upon ligation of IL-7 plays important roles in T and B cell development, and T cell homeostasis. Thymic Stromal Lymphopoietin (TSLP) also binds to IL-7R α as a complex with the TSLPR chain to trigger activation of dendritic cells, and is also involved in B cell development, allergy and autoimmunity. The A7R34 antibody has been shown to block IL-7R α signaling when administered *in vivo*.

Storage

Store at the stock concentration at 4°C. **Do not freeze.**

It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at <https://bioxcell.com/faqs>.

Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate

dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit https://bioxcell.com/catalogsearch/result/?q=BE0065#tab_references or scan the QR code below.



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