

# Product Datasheet

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## Anti-Mouse CD127 (IL-7R $\alpha$ )

### Purified

### Monoclonal Antibody

#### Product Information

**Product No.:** C2133  
**Clone:** A7R34  
**RRID:** AB\_2829215  
**Isotype:** Rat IgG2a  $\kappa$   
**Storage:** Sterile 2-8°C

#### Product Description

##### Specificity:

Clone A7R34 recognizes an epitope on mouse CD127.

##### Antigen Distribution:

IL-7R $\alpha$  is expressed on bone marrow lymphoid precursors, pro-B cells, monocytes/macrophages, NK-cells, naïve T cells, memory CD4 $^{+}$  and CD8 $^{+}$  T cells, intestinal colorectal and renal carcinoma cell lines, and keratinocytes.

##### Background:

CD127 (IL7R- $\alpha$ ) is a 60-90 kD type I cytokine receptor involved in the regulation of lymphopoiesis. The active receptor is an  $\alpha/\gamma$  chain heterodimer. The common  $\gamma$  chain, which also associates with the IL-2 receptor, serves mainly to activate signal transduction via the IL7R complex. CD127 also interacts with the Thymic Stromal Lymphopoietin Receptor (TSLPR). CD127 determines signaling events via its association with cytoplasmic signaling molecules and has been reported to be a useful marker for identifying memory and effector T cells.

##### Known Reactivity Species:

Mouse

##### Format:

Purified

##### Immunogen:

Recombinant Mouse IL-7ra

##### Formulation

This purified antibody is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.4, 1% BSA and 0.09% sodium azide as a preservative.

##### Storage and Stability

This purified antibody is stable when stored at 2-8°C. **Do not freeze.**

##### Applications

##### Applications and Recommended Usage (Quality Tested By Leinco):

**FC** The suggested concentration for this A7R34 antibody for staining cells in flow cytometry is  $\leq 1 \mu\text{g}$  per  $10^6$  cells in a volume of 100  $\mu\text{l}$ . Titration of the reagent is recommended for optimal performance for each application.

##### Other Applications Reported in Literature:

FA

IF Staining

IHC (Frozen)

IP

WB

Country of Origin

USA

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

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