

## Rat anti-Mouse CD127 Monoclonal Antibody | anti-CD127 antibody

Anti-Mouse CD127 Monoclonal Antibody (Alexa Fluor 647 Conjugated)

|                               |                    |                            |                                                         |
|-------------------------------|--------------------|----------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA174611</b> | HOST<br><b>Rat</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|-------------------------------|--------------------|----------------------------|---------------------------------------------------------|

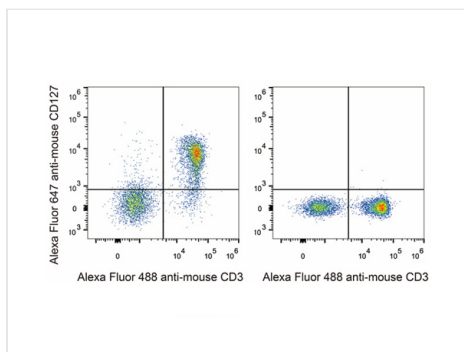
### PRODUCT SYNONYMS

CD127; Monoclonal Antibody; Anti-Mouse CD127 Monoclonal Antibody (Alexa Fluor 647 Conjugated); Interleukin-7 receptor subunit alpha; IL7r; IL-7 receptor subunit alpha; IL-7R subunit alpha; IL-7R-alpha; IL-7RA; anti-CD127 antibody

### PRODUCT SPECIFICATIONS

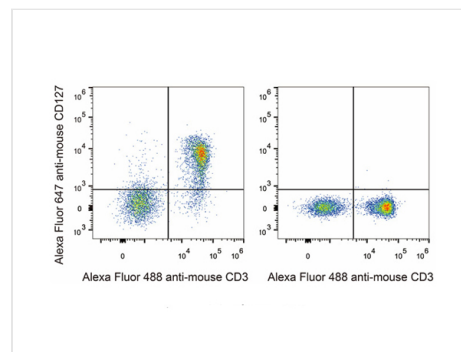
|                                                 |                                                                                      |
|-------------------------------------------------|--------------------------------------------------------------------------------------|
| Host                                            | Rat                                                                                  |
| Reactivity                                      | Mouse                                                                                |
| Clonality                                       | Monoclonal                                                                           |
| Isotype                                         | IgG2a                                                                                |
| Clone Number                                    | A7R34                                                                                |
| Form/Format                                     | Liquid; PBS with 0.05% Proclin300, 1% BSA                                            |
| Sequence Length                                 | 459                                                                                  |
| Applicable Applications for anti-CD127 antibody | FCM/FACS (Flow Cytometry)                                                            |
| Conjugation                                     | Alexa Fluor 647                                                                      |
| Preparation and Storage                         | Store at 2-8 degree C and protected from prolonged exposure to light. Do not freeze. |

### IMAGES



#### FCM/FACS (Flow Cytometry)

C57BL/6 murine splenocytes are stained with Anti-Mouse CD127 Monoclonal Antibody(Alexa Fluor 647 Conjugated)(left). Splenocytes stained with Anti-Mouse CD3 Monoclonal Antibody(Alexa Fluor 488 Conjugated)(right) are used as control.



#### FCM/FACS (Flow Cytometry)

Flow cytometry antibody

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD127 antibody | CD127 is a 60-90 kD type I transmembrane glycoprotein also known as IL-7 receptor alpha chain or IL-7Ralpha. It forms a heterodimer with the common gamma chain (gammac or CD132) which is shared with the receptors for IL-2, IL-4, IL-9, IL-13, IL-15, and IL-21. CD127 is expressed on immature B cells through early pre-B stage, thymocytes (except CD4/CD8 double positive thymocytes), peripheral T cells, and bone marrow stromal cells. CD127 has been reported to be an useful marker for identifying memory and effector T cells. The ligation of IL-7 with its receptor is important for stimulation of mature and immature T cells as well as immature B cells proliferation and development. |
| References                                          | 1. Sudo T, et al. 1993. P. Natl. Acad. Sci. USA 90:9125. 2. Okuno Y, et al. 2001. P. Natl. Acad. Sci. USA 99:6246. 3. Pillai M, et al. 2004. Leukemia Lymphoma 45:2403.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                       |
|----------------------------------|-----------------------------------------------------------------------|
| NCBI GI #                        | 341940827                                                             |
| NCBI GeneID                      | 16197                                                                 |
| UniProt Accession #              | P16872                                                                |
| NCBI Official Full Name          | Interleukin-7 receptor subunit alpha                                  |
| NCBI Official Synonym Full Names | interleukin 7 receptor                                                |
| NCBI Official Symbol             | IL7r                                                                  |
| NCBI Official Synonym Symbols    | CD127; IL-7Ralpha                                                     |
| NCBI Protein Information         | interleukin-7 receptor subunit alpha                                  |
| UniProt Protein Name             | Interleukin-7 receptor subunit alpha                                  |
| UniProt Gene Name                | IL7r                                                                  |
| UniProt Synonym Gene Names       | IL-7 receptor subunit alpha; IL-7R subunit alpha; IL-7R-alpha; IL-7RA |
| UniProt Entry Name               | IL7RA_MOUSE                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd127-antibody-clone-a7r34-flow-cytometry-elisa/174611>