

## Mouse CD127/IL7R Monoclonal Antibody | anti-IL7R antibody

CD127/IL7R (Marker of T-Reg Cells)

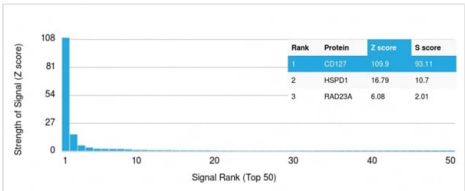
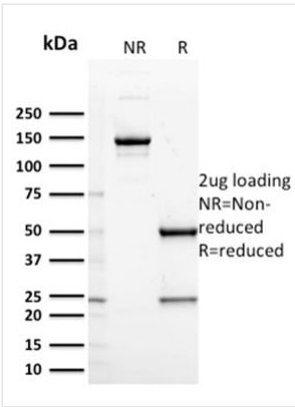
|                               |                      |                                               |
|-------------------------------|----------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA214766</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human. Others not known.</b> |
|-------------------------------|----------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

CD127/IL7R; Monoclonal Antibody; CD127/IL7R (Marker of T-Reg Cells); CD127; IL-7 receptor subunit alpha; IL-7R-alpha; IL7R; IL7RA; IL7R alpha; ILRA; Interleukin 7 receptor alpha chain; Interleukin 7 receptor; anti-IL7R antibody

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity              | Human. Others not known.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clonality               | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Isotype                 | IgG2c, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clone Number            | IL7R/2751                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity             | The protein encoded by this gene is a receptor for interleukin 7 (IL7). The function of this receptor requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukins 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in V(D)J recombination during lymphocyte development. Defects in this gene may be associated with severe combined immunodeficiency (SCID). |
| Form/Format             | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.                                                                                                                                                                                                                                                                                                                |
| Sequence Length         | 298                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Immunogen               | Recombinant fragment of human CD127 protein (IL7R) (around aa 21-236) (exact sequence is proprietary)                                                                                                                                                                                                                                                                                                                                                                                 |
| Positive Control        | K562, HeLa, Daudi or Jurkat Cells. Tonsil, Lymph Node or Spleen                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cellular Localization   | Cell Surface and Cytoplasmic                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Chromosome Location     | 5p13.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | Antibody with azide - store at 2 to 8°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                           |

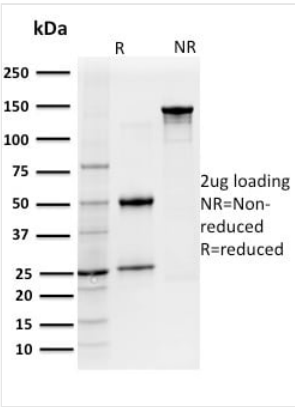


Application Data

Analysis of Protein Array containing >19,000 full-length human proteins using CD127 Mouse Monoclonal Antibody (IL7R/2751). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

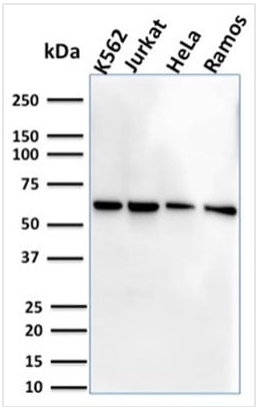
SDS\_PAGE

SDS-PAGE Analysis Purified CD127 Mouse Monoclonal Antibody (IL7R/2751). Confirmation of Integrity and Purity of Antibody.



SDS-PAGE

SDS-PAGE Analysis Purified CD127 Mouse Monoclonal Antibody (IL7R/2751). Confirmation of Purity and Integrity of Antibody.



WB (Western Blot)

Western Blot Analysis of Human K562, Jurkat, HeLa and Ramos cell lysate using CD127 Mouse Monoclonal Antibody (IL7R/2751).

ADDITIONAL INFORMATION

|            |                                                                                                                                                                     |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Weihong Liu et. al. CD127 expression inversely correlates with FoxP3 and suppressive function of human CD4+ T reg cells. J Exp Med. 2006 Jul 10; 203(7): 1701-1711. |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                        | 28610151                                                                               |
| NCBI GeneID                      | 3575                                                                                   |
| NCBI Accession #                 | NP_002176.2                                                                            |
| NCBI GenBank Nucleotide #        | NM_002185.4                                                                            |
| UniProt Accession #              | P16871; Q05CU8; Q6NSP4; Q6NWM0; Q6NWM1; Q6NWM2; Q6NWM3; Q6SV45; Q9UPC1; B2RCS6; B4DVT1 |
| Molecular Weight                 | 52-72kDa                                                                               |
| 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    | ILRA; CD127; IL7RA; CDW127; IL-7R-alpha                                                |

|                            |                                                                       |
|----------------------------|-----------------------------------------------------------------------|
| NCBI Protein Information   | interleukin-7 receptor subunit alpha                                  |
| UniProt Protein Name       | Interleukin-7 receptor subunit alpha                                  |
| UniProt Gene Name          | <b>IL7R</b>                                                           |
| UniProt Synonym Gene Names | IL-7 receptor subunit alpha; IL-7R subunit alpha; IL-7R-alpha; IL-7RA |

**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-il7r-antibody-clone-il7r-2751-elisa/214766>