

## Datasheet: TZA0121GA

<b>Description:</b>	MOUSE ANTI HUMAN CD127
<b>Specificity:</b>	CD127
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	rAbD11590kb
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified recombinant IgG containing a SpyTag at the C-terminus of the antibody heavy chain – liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Source</b>	CHO cells
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Recombinant human IL-7 R alpha/CD127/Fc chimera

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P16871</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">3575</a> IL7R <a href="#">Related reagents</a>
<b>Specificity</b>	<p><b>Mouse anti Human CD127 antibody, clone rAbD11590kb</b>, is a recombinant monoclonal antibody that recognizes CD127, also known as human interleukin-7 receptor subunit alpha (IL-7R<math>\alpha</math>).</p> <p>CD127 is a single-pass type I transmembrane protein that associates with CD132, the common cytokine receptor <math>\gamma</math>-chain, to form the functional high affinity IL-7 receptor. CD127 expressing cells include early thymocytes, T cells, pre-B cells and bone marrow macrophages. IL-7 mediated signaling through IL-7R activates two major pathways, the JAK/STAT5 and Akt/PI3K pathways, and plays a critical role in immune cell development. IL-7R deficiency severely impairs the development of immune cells.</p> <p>Alongside other surface antigens, CD127 can be used as a marker for regulatory T cells. IL-7 signaling through CD127 is impaired in cancers and chronic infections.</p>
<b>Flow Cytometry</b>	<p>Use 5<math>\mu</math>l of the suggested working dilution to label 0.5x10<sup>6</sup> cells in 100<math>\mu</math>l. Best practices suggest a 5 min centrifugation at 6,000g prior to sample application.</p>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	<p>12 months from date of despatch</p>
<b>Acknowledgements</b>	<p>This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See <a href="http://bio-rad.com/en-us/trademarks">bio-rad.com/en-us/trademarks</a> for details.</p>
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/TZA0121GA">https://www.bio-rad-antibodies.com/SDS/TZA0121GA</a></p>
<b>Regulatory</b>	<p>For research purposes only</p>

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

Goat Anti Mouse IgG (STAR70...) [FITC](#)

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Product inquiries: [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
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