

Datasheet: TZA0121GA

BATCH NUMBER 64702099

Description:	MOUSE ANTI HUMAN CD127
Specificity:	CD127
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	rAbD11590kb
Isotype:	IgG1
Quantity:	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.

	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.

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

Immunogen Recombinant human IL-7 R alpha/CD127/Fc chimera

External Database

Links

UniProt:

[P16871](#) [Related reagents](#)

Entrez Gene:

[3575](#) IL7R [Related reagents](#)

Specificity

Mouse anti Human CD127 antibody, clone rAbD11590kb, is a recombinant monoclonal antibody that recognizes CD127, also known as human interleukin-7 receptor subunit alpha (IL-7R α).

CD127 is a single-pass type I transmembrane protein that associates with CD132, the common cytokine receptor γ -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.

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.

Flow Cytometry

Use 5 μ l of the suggested working dilution to label 0.5x10⁶ cells in 100 μ l. Best practices suggest a 5 min centrifugation at 6,000g prior to sample application.

Storage

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Acknowledgements

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Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/TZA0121GA>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

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

Product inquiries: 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

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