

Datasheet: HCA145A647

Description:	HUMAN ANTI HUMAN CD127:Alexa Fluor® 647
Specificity:	CD127
Other names:	IL-7R
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	11592
Isotype:	HuCAL Fab bivalent
Quantity:	100 TESTS/1ml

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	▪			Neat

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

A bivalent human recombinant Fab (kappa light chain) selected from the HuCAL® phage display library, expressed in *E. coli*. This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a DYKDDDDK tag and a double extended Strep-tag at the C-terminus of the antibody heavy chain. This antibody is supplied conjugated to Alexa Fluor 647 - liquid

Max Ex/Em

Fluorophore	Excitation (nm)	Emission (nm)
Alexa Fluor®647	650	665

Preparation

StrepTactin affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)
1% Bovine Serum Albumin

Approx. Protein Concentrations

Total protein concentration 0.05mg/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

Human anti Human CD127 antibody, clone 11592 recognizes the alpha chain of the human interleukin-7 receptor (IL-7R), which is also known as CD127.

CD127 is a 65-75kDa transmembrane glycoprotein that associates with the interleukin-2 receptor gamma chain to form the functional high affinity IL-7 receptor. CD127 is expressed on lymphoid precursors in the bone marrow, pro-B cells, a subpopulation of thymocytes, T-cells and monocytes. CD127 is the specific receptor for IL-7 and the IL-7 receptor plays a critical role in lymphoid development.

Flow Cytometry

Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

12 months from date of despatch.

Acknowledgements

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**Health And Safety
Information**

Material Safety Datasheet Documentation #10041 available at:

<https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Licensed Use

For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.

Regulatory

For research purposes only

Technical Advice

Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#)

Related Products

Recommended Negative Controls

[HuCAL Fab-dHLX-FSx2 NEGATIVE CONTROL:Alexa Fluor® 647 \(HCA104A647\)](#)
[HuCAL Fab-dHLX-FSx2 NEGATIVE CONTROL:Alexa Fluor® 647 \(HCA104A647\)](#)
[HuCAL Fab-dHLX-FSx2 NEGATIVE CONTROL:Alexa Fluor® 647 \(HCA104A647\)](#)
[HuCAL Fab-dHLX-FSx2 NEGATIVE CONTROL:Alexa Fluor® 647 \(HCA104A647\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)
[HUMAN SEROBLOCK \(BUF070B\)](#)
[HUMAN SEROBLOCK \(BUF070A\)](#)
[HUMAN SEROBLOCK \(BUF070B\)](#)
[HUMAN SEROBLOCK \(BUF070A\)](#)
[HUMAN SEROBLOCK \(BUF070B\)](#)
[HUMAN SEROBLOCK \(BUF070A\)](#)
[HUMAN SEROBLOCK \(BUF070B\)](#)

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