

Datasheet: HCA402PE

Description:	HUMAN ANTI HUMAN CD127:RPE
Specificity:	CD127
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	AbD11590kb
Isotype:	HuCAL/mouse IgG2a Fc
Quantity:	100 TESTS

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 - 1/5

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

Recombinant chimeric human/mouse IgG2a antibody selected from the HuCAL phage display library and expressed in a human cell line. The antibody has variable regions of human origin and an Fc portion (including CH1 and CL domains) from mouse IgG2a. This antibody is conjugated to R. Phycoerythrin (RPE). Supplied lyophilized.

Reconstitution

Reconstitute with 1 ml distilled water

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578

Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Source

HKB-11

Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin 5% Sucrose
Immunogen	Recombinant human IL-7 R alpha/CD127/Fc chimera
External Database Links	<p>UniProt: P16871 Related reagents</p> <p>Entrez Gene: 3575 IL7R Related reagents</p>
Specificity	Human anti Human CD127 antibody, clone AbD11590kb recognizes the alpha chain of the human interleukin-7 receptor (IL-7R), which is also known as CD127. CD127 is a ~65-75 kDa 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 inflammatory 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 1x10 ⁶ cells in 100ul
Storage	This product is shipped at ambient temperature. Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Acknowledgements	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 bio-rad.com/en-us/trademarks for details.
Health And Safety Information	Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/HCA402PE
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 .

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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