

Datasheet: HCA144

BATCH NUMBER 153228

Description:	HUMAN ANTI HUMAN CD127
Specificity:	CD127
Other names:	IL-7R
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD11590
Isotype:	HuCAL Fab bivalent
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 (1)	▪			1/10 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting		▪		
Functional Assays			▪	

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.

(1)HCA144 has been demonstrated to function in Flow Cytometry.

Target Species

Human

Product Form

A bivalent human recombinant Fab 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 liquid.

Preparation

StrepTactin affinity chromatography

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
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>
RRID	AB_10612595
Specificity	<p>Human anti Human CD127 antibody, clone AbD11590 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 monocytes. CD127 is the specific receptor for IL-7 and the IL-7 receptor plays a critical role in lymphoid development.</p>
Histology Positive Control Tissue	Human tonsil
Storage	<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>
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 #10094 available at: https://www.bio-rad-antibodies.com/SDS/HCA14410094
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 Secondary Antibodies

Mouse Anti Synthetic Peptide STREP-TAG IMMO (MCA2488...) [Purified](#)

Rabbit Anti Synthetic Peptide DYKDDDDK TAG (AHP1074...) [HRP](#)

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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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