

Datasheet: HCA145A

Description:	HUMAN ANTI HUMAN CD127
Specificity:	CD127
Other names:	IL-7R
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD11592
Isotype:	HuCAL Fab bivalent
Quantity:	50 µg

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 - 1/200
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting		▪		
Immunofluorescence	▪			
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.

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 lyophilized.

Reconstitution

Reconstitute with 0.5 ml distilled water

Preparation

StrepTactin affinity chromatography

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Approx. Protein Concentrations	Ig concentration 0.1 mg/ml after reconstitution
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_10613832
Specificity	<p>Human anti Human CD127 antibody, clone AbD11592 recognizes the alpha chain of the human interleukin-7 receptor (IL-7R), which is also known as CD127.</p> <p>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>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul
ELISA	Due to the presence of bovine serum albumin (BSA), this antibody is unsuitable for use as a capture reagent in sandwich ELISA applications. This product is also available without BSA, please enquire .
Storage	<p>Prior to reconstitution store at +4°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of reconstitution
Acknowledgements	Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf

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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 Mouse IgG (STAR9...) [FITC](#)

Recommended Negative Controls

[HuCAL Fab-dHLX-FSx2 NEGATIVE CONTROL \(HCA104A\)](#)

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