

Datasheet: HCA402F

BATCH NUMBER 166090

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| Description: | HUMAN ANTI HUMAN CD127:FITC |
| Specificity: | CD127 |
| Format: | FITC |
| Product Type: | Monoclonal Antibody |
| Clone: | AbD11590kb |
| Isotype: | HuCAL/mouse IgG2a Fc |
| 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 | ▪ | | | NT - 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 fluorescein isothiocyanate (FITC). Supplied as a liquid. | | | | | | | | |
| Max Ex/Em | <table><tr><th>Fluorophore</th><th>Excitation Max (nm)</th><th>Emission Max (nm)</th></tr><tr><td>FITC</td><td>490</td><td>525</td></tr></table> | Fluorophore | Excitation Max (nm) | Emission Max (nm) | FITC | 490 | 525 | | |
| Fluorophore | Excitation Max (nm) | Emission Max (nm) | | | | | | | |
| FITC | 490 | 525 | | | | | | | |
| Preparation | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant | | | | | | | | |
| Source | HKB-11 | | | | | | | | |
| Buffer Solution | Phosphate buffered saline | | | | | | | | |

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|---------------------------------------|--|
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin |
| Approx. Protein Concentrations | IgG concentration 0.1 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 | 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 | <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 #10041 available at: https://www.bio-rad-antibodies.com/SDS/HCA402F10041 |
| 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 . |

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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