

Datasheet: HCA458

Description:	HUMAN ANTI CHICKEN CD25
Specificity:	CD25
Other names:	IL-2 RECEPTOR ALPHA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD13504ka
Isotype:	HuCAL/mouse IgG1 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	▪			
ELISA	▪			

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	Chicken
Product Form	Recombinant chimeric human/mouse IgG1 antibody selected from the HuCAL phage display library, 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 IgG1. This antibody is supplied as a liquid.
Preparation	Metal chelate affinity chromatography
Source	HKB-11
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	Antibody concentration 0.5 mg/ml
Immunogen	Recombinantly expressed his-tagged chicken CD25
External Database Links	UniProt: Q90WJ4 Related reagents
Specificity	<p>Human anti Chicken CD25 antibody, clone AbD13504ka, recognizes the chicken IL-2 receptor alpha chain (IL-2Rα).</p> <p>Chicken IL-2Rα, cited as ChCD25 in published literature, is a cell surface antigen expressed by activated T-lymphocytes, as well as monocytes/macrophages and thrombocytes.</p> <p>Chicken IL-2Rα forms part of the high-affinity IL-2 receptor complex when associated with IL-2Rβ and γ_c, but alone it represents the low-affinity binding component for IL-2. This receptor plays a central role in T cell activation, proliferation, and immune regulation, including the maintenance of peripheral tolerance through regulatory T cells. Recent studies highlight that CD4+ve/CD25+ve and CD8+ve/CD25+ve cells are up-regulated following infection with avian influenza virus (H9N2) suggesting an important role in the immune response to avian influenza virus infection (Huang et al. 2012).</p> <p>Human anti Chicken CD25, clone AbD13504ka, is derived from clone AbD13504 (HCA173), and is a full length chimeric human/mouse antibody.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 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	<p>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.</p> <p>His-tag is a trademark of EMD Biosciences.</p>
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA458</p>
Licensed Use	For <i>in vitro</i> . 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](#).

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
'M449985:260306'

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