

## Datasheet: HCA458

**BATCH NUMBER 172659**

<b>Description:</b>	HUMAN ANTI CHICKEN CD25
<b>Specificity:</b>	CD25
<b>Other names:</b>	IL-2 RECEPTOR ALPHA
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD13504ka
<b>Isotype:</b>	HuCAL/mouse IgG1 Fc
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Chicken
<b>Product Form</b>	Recombinant chimeric human/mouse IgG1 antibodyselected from the HuCAL phage display library, expressed in 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.
<b>Preparation</b>	Metal chelate affinity chromatography
<b>Source</b>	HKB-11
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )

<b>Approx. Protein Concentrations</b>	Antibody concentration 0.5 mg/ml
<b>Immunogen</b>	Recombinantly expressed his-tagged chicken CD25
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q90WJ4</a> <a href="#">Related reagents</a>
<b>Specificity</b>	<p><b>Human anti Chicken CD25 antibody, clone AbD13504ka</b>, recognizes the chicken IL-2 receptor alpha chain (IL-2R<math>\alpha</math>).</p> <p>Chicken IL-2R<math>\alpha</math>, 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-2R<math>\alpha</math> forms part of the high-affinity IL-2 receptor complex when associated with IL-2R<math>\beta</math> and <math>\gamma_c</math>, 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 (<a href="#">Huang et al. 2012</a>).</p> <p>Human anti Chicken CD25, clone AbD13504ka, is derived from clone AbD13504 (<a href="#">HCA173</a>), and is a full length chimeric human/mouse antibody.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	<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 <a href="http://bio-rad.com/en-us/trademarks">bio-rad.com/en-us/trademarks</a> for details.</p> <p>His-tag is a trademark of EMD Biosciences.</p>
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/HCA458">https://www.bio-rad-antibodies.com/SDS/HCA458</a></p>
<b>Licensed Use</b>	For <i>in vitro</i> . research purposes only, unless otherwise specified in writing by Bio-Rad.

**Regulatory** For research purposes only

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**Technical Advice** Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#).

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**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://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](http://bio-rad-antibodies.com/datasheets)

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