

## Datasheet: HCA173

**BATCH NUMBER 151305**

<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>	AbD13504
<b>Isotype:</b>	HuCAL Fab bivalent
<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	▪			Neat - 1/100
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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>Species Cross Reactivity</b>	Does not react with: Duck, Goose
<b>Product Form</b>	A bivalent human recombinant Fab (lambda light chain) selected from the HuCAL® phage display library, expressed in <i>E. coli</i> . This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a myc-tag (EQKLISEEDL) and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain. This antibody is supplied as a liquid.
<b>Preparation</b>	Metal chelate affinity chromatography

<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 AbD13504</b> recognizes the chicken IL-2 receptor alpha chain (IL-2R<math>\alpha</math>) , identified as the chicken homologue of human CD25 and cited as ChCD25 in published literature.</p> <p>Chicken IL-2R<math>\alpha</math> is a cell surface antigen expressed by activated T-lymphocytes, monocytes/macrophages and thrombocytes.</p> <p>CD4+ve/CD25+ve and CD8+ve/CD25+ve cells are up-regulated following infection with avian influenza virus (H9N2) and may therefore have an important role in the immune response to avian influenza virus infection (<a href="#">Huang et al. 2012</a>).</p> <p>Chicken IL-2R<math>\alpha</math> is the low affinity receptor for Interleukin-2.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Braukmann, M. <i>et al.</i> (2015) Avian CD25(+) gamma/delta (<math>\gamma\delta</math>) T cells after <i>Salmonella</i> exposure. <a href="#">Vet Immunol Immunopathol. 168 (1-2): 14-8.</a></li> <li>2. Polasky C <i>et al.</i> (2016) Non-specific activation of CD8<math>\alpha</math>-characterised <math>\gamma\delta</math> T cells in PBL cultures of different chicken lines. <a href="#">Vet Immunol Immunopathol. 179: 1-7.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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>
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	<p>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.</p> <p>His-tag is a registered 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/HCA173">https://www.bio-rad-antibodies.com/SDS/HCA173</a></p> <p>10040</p>
<b>Licensed Use</b>	For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.
<b>Regulatory</b>	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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## Related Products

### Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA1396...) [ALEXA FLUOR® 488](#), [ALEXA FLUOR® 647](#), [DyLight®800](#), [FITC](#)

### Recommended Negative Controls

[HuCAL Fab-dHLX-MH NEGATIVE CONTROL \(HCA052\)](#)

### Recommended Useful Reagents

[MOUSE ANTI CHICKEN CD25 \(MCA5925GA\)](#)

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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](https://bio-rad-antibodies.com/datasheets)  
'M371575:200612'

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