

Datasheet: HCA173A647

Description:	HUMAN ANTI CHICKEN CD25:Alexa Fluor® 647
Specificity:	CD25
Other names:	IL-2 RECEPTOR ALPHA
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	AbD13504
Isotype:	HuCAL Fab bivalent
Quantity:	100 TESTS/1ml

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 - 1/10
Immunofluorescence			▪	

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		
Species Cross Reactivity	Does not react with: Duck, Goose		
Product Form	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. Conjugated to Alexa Fluor 647 (A647) - liquid.		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®647	650	665
Preparation	Metal chelate affinity chromatography		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein Concentrations	Antibody concentration 0.05 mg/ml		

Immunogen	Recombinantly expressed his-tagged chicken CD25
External Database Links	UniProt: Q90WJ4 Related reagents
Specificity	<p>Human anti Chicken CD25 antibody, clone AbD13504 recognizes the chicken IL-2 receptor alpha chain (IL-2Rα), identified as the chicken homologue of human CD25 and cited as ChCD25 in published literature.</p> <p>Chicken IL-2Rα 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 (Huang et al. 2012).</p> <p>Chicken IL-2Rα is the low affinity receptor for Interleukin-2.</p>
References	<ol style="list-style-type: none"> 1. Braukmann, M. <i>et al.</i> (2015) Avian CD25(+) gamma/delta ($\gamma\delta$) T cells after <i>Salmonella</i> exposure. Vet Immunol Immunopathol. 168 (1-2): 14-8. 2. Polasky C <i>et al.</i> (2016) Non-specific activation of CD8α-characterised $\gamma\delta$ T cells in PBL cultures of different chicken lines. Vet Immunol Immunopathol. 179: 1-7.
Storage	<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. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Acknowledgements	<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. His-tag is a registered trademark of EMD Biosciences.</p>
Health And Safety Information	<p>Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</p>
Licensed Use	For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.
Regulatory	For research purposes only
Technical Advice	<p>Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the HuCAL Antibodies Technical Manual</p>

Related Products

Recommended Negative Controls

[HuCAL Fab-dHLX-MH NEGATIVE CONTROL:Alexa Fluor® 647 \(HCA052A647\)](#)

Recommended Useful Reagents

[MOUSE ANTI CHICKEN CD4:RPE \(MCA2164PE\)](#)

[MOUSE ANTI CHICKEN CD8 ALPHA:RPE \(MCA2166PE\)](#)

[MOUSE ANTI CHICKEN CD4:FITC \(MCA2164F\)](#)

[MOUSE ANTI CHICKEN CD8 ALPHA:FITC \(MCA2166F\)](#)

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

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