

Datasheet: MCA5771

**BATCH NUMBER 170602**

<b>Description:</b>	MOUSE ANTI CHICKEN TCR ALPHA/BETA (Vb1)
<b>Specificity:</b>	TCR ALPHA/BETA Vb1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	TCR-2
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.25 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	▪			
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	
Immunofluorescence	▪			
Functional Assays			▪	

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>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by ion exchange chromatography from tissue culture supernatant
<b>Buffer Solution</b>	Borate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )

<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml
<b>RRID</b>	AB_10852242
<b>Specificity</b>	<p><b>Mouse anti Chicken TCR<math>\alpha</math>/<math>\beta</math> antibody, clone TCR2</b> recognizes chicken TCR<math>\alpha</math>/<math>\beta</math> expressed on peripheral blood T cells. Two distinct subpopulations of <math>\alpha</math>/<math>\beta</math> T cells appear in the chicken thymus subsequent to the appearance of <math>\gamma</math>/<math>\delta</math> T cells. These subpopulations, originally denoted as TCR2 and TCR3 arise sequentially in the thymus during ontogeny and are now known to represent two distinct V<math>\beta</math> families, V<math>\beta</math>1 and V<math>\beta</math>2, respectively.</p> <p>Mouse anti Chicken TCR<math>\alpha</math>/<math>\beta</math> antibody, clone TCR2 is specific for the V<math>\beta</math>1.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul.
<b>References</b>	<p>1. Balic, A. <i>et al.</i> (2014) Visualisation of chicken macrophages using transgenic reporter genes: insights into the development of the avian macrophage lineage. <a href="#">Development. 141: 3255-65.</a></p> <p>2. Röhe I. <i>et al.</i> (2017) Effect of feeding soybean meal and differently processed peas on the gut mucosal immune system of broilers <a href="#">Poultry Science. Feb 23 [Epub ahead of print]</a></p>
<b>Storage</b>	<p>Store at +4°C. DO NOT FREEZE.</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>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10077 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA5771">https://www.bio-rad-antibodies.com/SDS/MCA5771</a></p> <p>10077</p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

- Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
- Goat Anti Mouse IgG (H/L) (STAR117...) [FITC](#), [HRP](#)
- Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

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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://www.bio-rad-antibodies.com/datasheets)

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