

Datasheet: MCA5771

Description:	MOUSE ANTI CHICKEN TCR ALPHA/BETA (Vb1)
Specificity:	TCR ALPHA/BETA Vb1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	TCR-2
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Chicken
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by ion exchange chromatography from tissue culture supernatant
Buffer Solution	Borate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5mg/ml

Specificity

Mouse anti Chicken TCRα/β antibody, clone TCR2 recognizes chicken TCRα/β expressed on peripheral blood T cells. Two distinct subpopulations of α/β T cells appear in the chicken thymus subsequent to the appearance of γ/δ 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 β families, V β 1 and V β 2, respectively.

Mouse anti Chicken TCR α / β antibody, clone TCR2 is specific for the V β 1.

Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
References	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. Development. 141: 3255-65. 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 Poultry Science. Feb 23 [Epub ahead of print]
Storage	Store at +4°C. DO NOT FREEZE. 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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10077 available at: 10077: https://www.bio-rad-antibodies.com/uploads/MSDS/10077.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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