

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 | <0.1% Sodium Azide (NaN ₃) |
| Approx. Protein | IgG concentration 0.5mg/ml |

Concentrations

RRID AB_10852242

Specificity **Mouse anti Chicken TCR α / β antibody, clone TCR2** recognizes chicken TCR α / 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 1x10⁶ cells in 100ul.

References

1. Balic, A. *et al.* (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. *et al.* (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.

Guarantee 12 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 (STAR12...) [RPE](#)

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

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

North & South America Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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)

'M392054:211020'

Printed on 21 Mar 2022