

## Datasheet: MCA5763

<b>Description:</b>	MOUSE ANTI CHICKEN CD8 BETA
<b>Specificity:</b>	CD8 BETA
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	EP42
<b>Isotype:</b>	IgG2a
<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			▪	
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>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml

**External Database  
Links**

**UniProt:**

[Q90769](#)

[Related reagents](#)

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**RRID** AB\_10717852

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**Specificity** **Mouse anti Chicken CD8 beta antibody, clone EP42** recognises Chicken CD8 $\beta$ . CD8 is a dimer formed of either two alpha chains, or an alpha chain and a beta chain. Mouse anti Chicken CD8 beta antibody, clone EP42 is specific for Chicken CD8 $\beta$ , binding to an epitope expressed on the CD8 $\beta$  chain, available only on cells expressing alpha/beta heterodimers.

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**Flow Cytometry** Use 10ul of the suggested working dilution to label 1x10<sup>6</sup> cells in 100ul.

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**References**

1. Paramithiotis E *et al.* (1991) High levels of CD45 are coordinately expressed with CD4 and CD8 on avian thymocytes. [J Immunol. 147 \(11\): 3710-7.](#)
2. Luhtala, M. *et al.* (1995) Characterization of chicken CD8-specific monoclonal antibodies recognizing novel epitopes. [Scand J Immunol. 42 \(1\): 171-4.](#)
3. Tregaskes, C.A. *et al.* (1995) Identification and analysis of the expression of CD8 alpha beta and CD8 alpha alpha isoforms in chickens reveals a major TCR-gamma delta CD8 alpha beta subset of intestinal intraepithelial lymphocytes. [J Immunol. 154 \(9\): 4485-94.](#)
4. Katevuo, K. and Vainio, O. (1996) Thymocyte emigration in the chicken: an over-representation of CD4+ cells over CD8+ in the periphery. [Immunology. 89: 419-23.](#)
5. Li, Z. *et al.* (1999) Cross-reactive anti-chicken CD4 and CD8 monoclonal antibodies suggest polymorphism of the turkey CD8 alpha molecule. [Poult Sci. 78 \(11\): 1526-31.](#)
6. Imhof, B.A. *et al.* (2000) Intestinal CD8 alpha alpha and CD8 alpha beta intraepithelial lymphocytes are thymus derived and exhibit subtle differences in TCR beta repertoires. [J Immunol. 165: 6716-22.](#)
7. Ellis, S. *et al.* (2018) Recombinant Infectious Bronchitis Viruses Expressing Chimeric Spike Glycoproteins Induce Partial Protective Immunity against Homologous Challenge despite Limited Replication *In Vivo*. [J Virol. 92 \(23\): e01473-18.](#)

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**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10077 available at: <https://www.bio-rad-antibodies.com/SDS/MCA5763>  
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**Regulatory** For research purposes only

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

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