

Datasheet: MCA5763

BATCH NUMBER 161179

Description:	MOUSE ANTI CHICKEN CD8 BETA
Specificity:	CD8 BETA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	EP42
Isotype:	IgG2a
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			▪	
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

External Database

Links

UniProt:

[Q90769](#)

[Related reagents](#)

RRID

AB_10717852

Specificity

Mouse anti Chicken CD8 beta antibody, clone EP42 recognises Chicken CD8 β . 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 β , binding to an epitope expressed on the CD8 β chain, available only on cells expressing alpha/beta heterodimers.

Flow Cytometry

Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.

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.](#)

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10077 available at: <https://www.bio-rad-antibodies.com/SDS/MCA5763>
10077

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](#)

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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

'M389606:210806'

Printed on 19 Jan 2024

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