

Datasheet: MCA6011GA

BATCH NUMBER 167811

Description:	MOUSE ANTI CHICKEN CD268 / BAFF-R
Specificity:	CD268 / BAFF-R
Other names:	TNFRSF 13C
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	2C4
Isotype:	IgG1
Quantity:	0.1 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			▪	

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
Species Cross Reactivity	<p>Reacts with: Turkey, Quail, Duck</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture

supernatant

Buffer Solution Phosphate buffered saline

Preservative Stabilisers <0.1% Sodium Azide (NaN₃)

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Chicken BAFF-R transfected HEK293 cells

Specificity **Mouse anti Chicken CD268 / BAFF-R, clone 2C4**, recognizes the chicken homologue of human BAFF-R, known also as CD268 and TNFRSF 13C, a cell surface antigen expressed by avian B-cells.

Chicken BAFF-R (B cell activating factor receptor) differs from mammalian BAFF-R in that it is produced in B-cells ([Reddy et al. 2008](#)) and is not expressed by chicken T-cells. In addition to chicken, clone 2C4 cross reacts with several other commercially important avian species and as such is a specific marker of B-cells for research in domestic galliforms.

Mouse anti Chicken CD268 / BAFF-R, clone 2C4 is unique in that it can be used in formalin fixed paraffin embedded tissues and is therefore of particular use on sections from infected specimens.

Flow Cytometry Use 10µl of the suggested working dilution to label 1x10⁶ cells in 100ul

References

1. Jax, E. *et al.* (2023) Evaluating Effects of AIV Infection Status on Ducks Using a Flow Cytometry-Based Differential Blood Count. [Microbiol Spectr. : e0435122.](#)
2. Härtle, S. *et al.* (2024) Delineation of chicken immune markers in the era of omics and multicolor flow cytometry [Frontiers in Veterinary Science. 11 \[Epub ahead of print\].](#)

Further Reading

1. Reddy, S.K. *et al.* (2008) The BAFF-Interacting receptors of chickens. [Dev Comp Immunol. 32 \(9\): 1076-87.](#)
2. Kothlow, S. *et al.* (2010) Prolonged effect of BAFF on chicken B cell development revealed by RCAS retroviral gene transfer *in vivo*. [Mol Immunol. 47 \(7-8\): 1619-28.](#)
3. Schneider, K. *et al.* (2004) Chicken BAFF--a highly conserved cytokine that mediates B cell survival. [Int Immunol. 16 \(1\): 139-48.](#)
4. Koskela, K. *et al.* (2004) Chicken B-cell-activating factor: regulator of B-cell survival in the bursa of fabricius. [Scand J Immunol. 59 \(5\): 449-57.](#)

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 #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6011GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Useful Reagents

[MOUSE ANTI CHICKEN Bu-1a:FITC \(MCA2170F\)](#)
[MOUSE ANTI CHICKEN Bu-1a/b \(MCA5764\)](#)

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