

Datasheet: MCA6011GA

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

Reacts with: Turkey, Quail, Duck

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.

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 (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Chicken BAFF-R transfected HEK293 cells
Specificity	<p>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.</p> <p>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.</p> <p>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.</p>
Flow Cytometry	Use 10µl of the suggested working dilution to label 1x10 ⁶ cells in 100ul
References	<ol style="list-style-type: none"> Jax, E. <i>et al.</i> (2023) Evaluating Effects of AIV Infection Status on Ducks Using a Flow Cytometry-Based Differential Blood Count. Microbiol Spectr. : e0435122. Härtle, S. <i>et al.</i> (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	<ol style="list-style-type: none"> Reddy, S.K. <i>et al.</i> (2008) The BAFF-Interacting receptors of chickens. Dev Comp Immunol. 32 (9): 1076-87. Kothlow, S. <i>et al.</i> (2010) Prolonged effect of BAFF on chicken B cell development revealed by RCAS retroviral gene transfer <i>in vivo</i>. Mol Immunol. 47 (7-8): 1619-28. Schneider, K. <i>et al.</i> (2004) Chicken BAFF--a highly conserved cytokine that mediates B cell survival. Int Immunol. 16 (1): 139-48. Koskela, K. <i>et al.</i> (2004) Chicken B-cell-activating factor: regulator of B-cell survival in the bursa of fabricius. Scand J Immunol. 59 (5): 449-57.
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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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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)
'M389661:210806'

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