

## Datasheet: MCA6011GA

**BATCH NUMBER 149946**

<b>Description:</b>	MOUSE ANTI CHICKEN CD268 / BAFF-R
<b>Specificity:</b>	CD268 / BAFF-R
<b>Other names:</b>	TNFRSF 13C
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	2C4
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Chicken
<b>Species Cross Reactivity</b>	<p>Reacts with: Turkey, Quail, Duck</p> <p><b>N.B.</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>
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture

supernatant

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**Buffer Solution** Phosphate buffered saline

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**Preservative Stabilisers** 0.09% Sodium Azide (NaN<sub>3</sub>)

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**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

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**Immunogen** Chicken BAFF-R transfected HEK293 cells

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**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 has been shown to cross react 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 infection studies.

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

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**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.](#)

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**Storage** Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
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.

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**Guarantee** 18 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6011GA>  
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## Related Products

### Recommended Secondary Antibodies

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

### Recommended Useful Reagents

- [MOUSE ANTI CHICKEN Bu-1a:FITC \(MCA2170F\)](#)
- [MOUSE ANTI CHICKEN Bu-1a/b \(MCA5764\)](#)
- [MOUSE ANTI GUINEA FOWL Bu-1a/b \(MCA5958GA\)](#)

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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)  
'M334794:181203'

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