

Datasheet: MCA5958GA

Description:	MOUSE ANTI GUINEA FOWL Bu-1a/b
Specificity:	Bu-1a/b
Other names:	BURSAL ANTIGEN 1 A/B
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	BoA1
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

Guinea Fowl

Species Cross Reactivity

Reacts with: Quail, Turkey, Chicken, Grey partridge

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 A from tissue culture supernatant

Buffer Solution	Phosphate buffered saline
Preservative	0.1% Sodium Azide (NaN ₃)
Stabilisers	0.1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Bursal cell suspension from guinea fowl (<i>Numida melagris</i>).
External Database Links	<p>UniProt:</p> <p>Q90747 Related reagents</p> <p>Q90746 Related reagents</p>
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells of the Sp2/0-Ag14 myeloma cell line.
Specificity	<p>Mouse anti Guinea Fowl Bu-1a/b antibody, clone BoA1 recognizes the avian bursal cell antigen, Bu-1a/b. Bu-1a/b, also known as chB6, is a type 1 transmembrane protein.</p> <p>Bu-1 is a product of two alleles, Bu-1a (chB6.1) and Bu-1b (chB6.2). Mouse anti Guinea Fowl Bu-1a/b antibody, clone BoA1 recognizes both of these alleles. The Bu-1 antigen is expressed by chicken B-cells throughout most of their development and by a subset of monocytes and macrophages (Igyártó et al. 2008) but is absent from erythrocytes, granulocytes and thrombocytes. As such the Mouse anti Guinea Fowl Bu-1a/b antibody, clone BoA1 provides a useful marker of avian B-cells.</p> <p>Clone BoA1 is unique in that while other antibodies generated against the Bu-1a/b antigen are restricted in their species reactivity, clone BoA1 recognizes a conserved epitope of the Bu-1a/b antigen in both domestic and wild phasianid species</p> <p>In addition to Mouse anti Guinea Fowl Bu-1a/b antibody, clone BoA1, clone AV20 (MCA5764) which is specific to chicken Bu1-a/b and clone L22 (MCA2170F) which recognizes the Bu-1a but not the Bu-1b allele in chicken and quail, are also available.</p>
References	<ol style="list-style-type: none"> Igyártó, B.Z. <i>et al.</i> (2008) Identification of the avian B-cell-specific Bu-1 alloantigen by a novel monoclonal antibody. Poult Sci. 87 (2): 351-5. Nagy, N. <i>et al.</i> (2009) Endothelial cells promote migration and proliferation of enteric neural crest cells via beta1 integrin signaling. Dev Biol. 330 (2): 263-72. Nagy, N. & Oláh, I. (2010) Experimental evidence for the ectodermal origin of the epithelial anlage of the chicken bursa of Fabricius. Development. 137 (18): 3019-23. Nagy, N. <i>et al.</i> (2016) Avian dendritic cells: Phenotype and ontogeny in lymphoid organs. Dev Comp Immunol. 58: 47-59.
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
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA5958GA 10041
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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 IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
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
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG (STAR77...)	HRP

Recommended Useful Reagents

[MOUSE ANTI CHICKEN Bu-1a:FITC \(MCA2170F\)](#)
[MOUSE ANTI CHICKEN Bu-1a/b \(MCA5764\)](#)
[MOUSE ANTI CHICKEN CSF1R \(MCA5956GA\)](#)

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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
'M381273:210512'

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