

Datasheet: MCA5764

Description:	MOUSE ANTI CHICKEN Bu-1a/b
Specificity:	Bu-1a/b
Other names:	BURSAL ANTIGEN 1 A/B
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AV20
Isotype:	IgG1
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
Species Cross Reactivity	Does not react with: Quail, Turkey, Guinea Fowl
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by ion exchange chromatography from tissue culture supernatant
Buffer Solution	Borate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5mg/ml

Immunogen	Bursal cells from day old H.B15 (Bu-1a/b) chickens.
External Database Links	UniProt: Q90747 Related reagents Q90746 Related reagents
Specificity	Mouse anti ChickenBu-1a/b antibody, clone AV20 recognizes Chicken Bu-1a/b, also known as chB6, a type 1 transmembrane protein. Bu-1 is a product of two alleles, Bu-1a and Bu-1b, clone AV20 recognises both alleles. The Bu-1 antigen is expressed by chicken B-cells throughout most of their development and by a subset of monocytes and macrophages. The antigen is absent from erythrocytes, granulocytes and thrombocytes. In addition to clone AV20, clone L22 that recognises Bu-1a but not Bu-1b is available.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
References	1. Igyártó BZ <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. 2. Balic, A. <i>et al.</i> (2014) Visualisation of chicken macrophages using transgenic reporter genes: insights into the development of the avian macrophage lineage. Development. 141: 3255-65. 3. Schermuly, J. <i>et al.</i> (2015) <i>In vitro</i> model for lytic replication, latency, and transformation of an oncogenic alphaherpesvirus. Proc Natl Acad Sci U S A. 112 (23): 7279-84. 4. Tregaskes, C.A. <i>et al.</i> (2005) Conservation of biological properties of the CD40 ligand, CD154 in a non-mammalian vertebrate. Dev Comp Immunol. 29 (4): 361-74. 5. Tregaskes, C.A. <i>et al.</i> (1996) Chicken B-cell marker chB6 (Bu-1) is a highly glycosylated protein of unique structure. Immunogenetics. 44 (3): 212-7. 6. Baigent, S. J. & Davison, T. F. (1999) Development and composition of lymphoid lesions in the spleens of Marek's disease virus-infected chickens: Association with virus spread and the pathogenesis of Marek's disease Avian Pathology. 28 (3): 287-300. 7. Barrow, A.D. <i>et al.</i> (2003) Infection of macrophages by a lymphotropic herpesvirus: a new tropism for Marek's disease virus. J Gen Virol. 84 (Pt 10): 2635-45. 8. Meyerhoff, R.R. <i>et al.</i> (2012) Comprehensive analysis of commercially available mouse antichickens monoclonal antibodies for cross-reactivity with peripheral blood leukocytes from commercial turkeys. Poult Sci. 91 (2): 383-92. 9. Rothwell, C.J. <i>et al.</i> (1996) Identification of chicken Bu-1 alloantigens using the monoclonal antibody AV20. Vet Immunol Immunopathol. 55 (1-3): 225-34. 10. Sadeyen, J.R. <i>et al.</i> (2015) A cyclophosphamide-sensitive cell compartment is essential for homologous protection conferred by licensed vaccines for the control of avian pathogenic Escherichia coli in chickens. Vaccine. 33 (31): 3624-7.
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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet documentation #10077 available at

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR117...) [FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M271779:150611'

Printed on 28 Jan 2018