

## Datasheet: MCA5762

**BATCH NUMBER 162978**

<b>Description:</b>	MOUSE ANTI CHICKEN CD44
<b>Specificity:</b>	CD44
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AV6
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Chicken
<b>Species Cross Reactivity</b>	<p>Reacts with: Turkey</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 ion exchange chromatography from tissue culture supernatant

Buffer Solution	Borate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN <sub>3</sub> )
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
External Database Links	<b>UniProt:</b> <a href="#">Q9W6S4</a> <a href="#">Related reagents</a>
RRID	AB_10718120
Specificity	<p><b>Mouse anti Chicken CD44 antibody, clone AV6</b> recognizes Chicken CD44, a type 1 transmembrane protein expressed by B-cells, T-cells, monocytes and epithelial cells. CD44 is expressed by a range of cell types and involved in various functions including cell adhesion and cellular activation.</p> <p>Mouse anti chicken CD44, clone AV6 has been reported to cross react with Turkey recognising an antigen on IgM<sup>+</sup> B-cells and a subset of T-cells.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul.
References	<ol style="list-style-type: none"> <li>1. Corbel, C. <i>et al.</i> (2000) Expression of CD44 during early development of the chick embryo. <a href="#">Mech Dev. 96: 111-4.</a></li> <li>2. Härtle, S. <i>et al.</i> (2024) Delineation of chicken immune markers in the era of omics and multicolor flow cytometry <a href="#">Frontiers in Veterinary Science. 23 May [Epub ahead of print].</a></li> </ol>
Further Reading	1. DelCacho, E. <i>et al.</i> (2009) Avian follicular and interdigitating dendritic cells: isolation and morphologic, phenotypic, and functional analyses. <a href="#">Vet Immunol Immunopathol. 129 (1-2): 66-75.</a>
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 #10077 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA5762">https://www.bio-rad-antibodies.com/SDS/MCA5762</a> 10077
Regulatory	For research purposes only

## Related Products

## Recommended Secondary Antibodies

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

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

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

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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)

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