

Datasheet: MCA5760

BATCH NUMBER 071013

Description:	MOUSE ANTI CHICKEN CD28
Specificity:	CD28
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AV7
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	<p>Reacts with: Turkey</p> <p>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.</p>
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	Chicken Leucocytes.
RRID	AB_10718710
Specificity	<p>Mouse anti Chicken CD28, clone AV7 recognizes the chicken homologue of mammalian CD28, demonstrating 50% sequence identity and conservation of key functional sequence. In chickens CD28 is expressed by all thymocytes and T cells excluding most of those that are gamma/delta TCR positive (Koskela et al. 1998). The co-stimulatory role of CD28 is important to T cell function in chickens (Arstila et al. 1994).</p> <p>Mouse anti chicken CD28, clone AV7 has been demonstrated to recognise Turkey CD28 (Powell et al. 2009).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 1. Powell F <i>et al.</i> (2009) Development of reagents to study the turkey's immune response: Identification and molecular cloning of turkey CD4, CD8alpha and CD28. Dev Comp Immunol. 33 (4): 540-6. 2. Young, J.R. <i>et al.</i> (1994) Monomeric homologue of mammalian CD28 is expressed on chicken T cells. J Immunol. 152 (8): 3848-51.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10077 available at: https://www.bio-rad-antibodies.com/SDS/MCA5760</p> <p>10077</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

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

North & South America Tel: +1 800 265 7376
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

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M368364:200529'

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