

Datasheet: MCA5760

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	Reacts with: Turkey N.B. Antibody reactivity and working conditions may vary between species.
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.

Specificity	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). Mouse anti chicken CD28, clone AV7 has been demonstrated to recognise Turkey CD28 (Powell et al. 2009).
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
References	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	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 #10077 available at: 10077: https://www.bio-rad-antibodies.com/uploads/MSDS/10077.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR9...)	FITC
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	HRP

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
----------------------------------	---	------------------	---	---------------	---

'M257377:140610'

Printed on 20 Jun 2018