Datasheet: MCA1039GA BATCH NUMBER 160800

Description:	RAT ANTI DOG CD8		
Specificity:	CD8		
Format:	Purified		
Product Type:	Monoclonal Antibody		
Clone:	YCATE55.9		
lsotype:	lgG1		
Quantity:	0.1 mg		

Product Details

Applications	This product has been reported to work in the following applications. This informati				
	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 <u>www.bio-</u>				
	rad-antibodies.com/protocols.				
	Vec. No. Net Determined Occurrented Diletion				

		Yes	No	Not Determined	Suggested Dilution
	Flow Cytometry	-			1/50 - 1/100
	Immunohistology - Frozen	-			
	Immunohistology - Paraffin				
	ELISA			•	
	Immunoprecipitation			•	
	Western Blotting			•	
	Immunofluorescence	-			
	Where this antibody has	not been	tested for	use in a particular teo	chnique this does not
	necessarily exclude its us	se in such	n procedui	es. Suggested workir	g dilutions are given as
	a guide only. It is recommended that the user titrates the antibody for use in their own				•
	system using appropriate			-	
	-)	···· J ···· ·	.1		
Target Species	Dog				
Product Form	Purified IgG - liquid				
Preparation	Purified IgG prepared by affinity chromatography on Protein G from t supernatant			m tissue culture	
Buffer Solution	Phosphate buffered salin	е			
Preservative Stabilisers	0.09% Sodium Azide (Na	aN ₃)			

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1 mg/ml
Immunogen	Canine CD8 alpha chimaeric human IgG1 Fc fusion protein.
External Database Links	UniProt: P33706 Related reagents Entrez Gene: 403157 CD8A Related reagents
Fusion Partners	Spleen cells from immunised DA rat were fused with cells of the Y3/Ag1.2.3 rat myeloma cell line.
Specificity	Rat anti Dog CD8 antibody, clone YCATE55.9 was clustered as Canine CD8 in the First Canine Leukocyte Antigen Workshop (<u>Cobbold <i>et al.</i> 1994</u>). YCATE55.9 reacts with a rat cell line transfected with cDNA for canine CD8α (<u>Gorman <i>et al.</i> 1994</u>) and blocks MHC class I dependant T-cell responses <i>in vitro</i> and <i>in vivo</i> . Rat anti Dog CD8, clone YCATE55.9 has been shown to deplete circulating CD8+ T cells
	when administered to dogs <i>in vivo</i> . (<u>Watson <i>et al.</i> 1993</u>) Reduced levels of circulating CD8+ T cells has been associated with decreased survival times for dogs with osteosarcoma (<u>Biller <i>et al.</i> 2010</u>).
Flow Cytometry	Use 10ul of the suggested working dilution to label 1 x 10^6 cells in 100ul.
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StorageThis 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 i frost-free freezers is not recommended.			
Guarantee	12 months from date of despatch			
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1039GA 10040			
Regulatory	For research purposes only			

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16)	DyLight®800			
Rabbit Anti Rat IgG (STAR17)	FITC			
Goat Anti Rat IgG (STAR73)	RPE			
Rabbit Anti Rat IgG (STAR21)	HRP			
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71) <u>DyLight®550</u> , <u>DyLight®650</u> , <u>DyLight®800</u>				
Goat Anti Rat IgG (STAR131)	Alk. Phos., Biotin			
Goat Anti Rat IgG (STAR72)	HRP			
Goat Anti Rat IgG (STAR69)	FITC			
Recommended Negative Controls				
RAT IgG1 NEGATIVE CONTROL (MCA6004GA)				

North & South	Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
America	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@b	io-rad.com	Email: antibody_sales_uk@bio	o-rad.com	Email: antibody_sales_de@bio-rad.com

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