

Datasheet: MCA1039PE

BATCH NUMBER 151153

Description:	RAT ANTI DOG CD8:RPE
Specificity:	CD8
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	YCATE55.9
Isotype:	lgG1
Quantity:	100 TESTS

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				Neat

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Dog		
Product Form	Purified IgG conjuga	ated to R. Phycoerythrin	ı (RPE) - Iyophilized
Reconstitution	Reconstitute with 1n	nl distilled water	
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepare supernatant	ed by affinity chromatog	raphy on Protein G
Buffer Solution	Phosphate buffered	saline	
Preservative	0.09% Sodium Azid	e	
Stabilisers	1% Bovine Serur	m Albumin	
	5% Sucrose		

Immunogen	Canine CD8 alpha chimaeric human IgG1 Fc fusion protein.			
External Database	UniProt:			
Links	P33706 Related reagents			
	Entrez Gene:			
	403157 CD8A Related reagents			

RRID

AB_322646

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 et al. 1994</u>). YCATE55.9 reacts with a rat cell line transfected with cDNA for canine CD8α (<u>Gorman et al. 1994</u>) and blocks MHC class I dependant T-cell responses *in vitro* and *in vivo*.

Rat anti Dog CD8, clone YCATE55.9 has been shown to deplete circulating CD8+ T cells when administered to dogs *in vivo*. (Watson et al. 1993) Reduced levels of circulating CD8+ T cells has been associated with decreased survival times for dogs with osteosarcoma (Biller et al. 2010).

Flow Cytometry

Use 10ul of the suggested working dilution to label 1 x 10⁶ cells in 100ul.

References

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Storage

Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch **Health And Safety** Material Safety Datasheet documentation #20487 available at: Information https://www.bio-rad-antibodies.com/SDS/MCA1039PE 20487 Regulatory For research purposes only

Related Products

Recommended Negative Controls

RAT IgG1 NEGATIVE CONTROL:RPE (MCA6004PE)

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Printed on 14 Mar 2024

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