

Datasheet: MCA1039PB

BATCH NUMBER 167118

Description:	RAT ANTI DOG CD8:Pacific Blue®		
Specificity:	CD8		
Format:	Pacific Blue®		
Product Type:	Monoclonal Antibody		
Clone:	YCATE55.9		
Isotype:	lgG1		
Quantity:	100 TESTS/1ml		

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 systems with appropriate negative/positive controls.

Target Species	Dog	
Product Form	Purified IgG conjugated to Pacific Blue - liq	uid
Max Ex/Em	Fluorophore Excitation Max (nm)	Emission Max (nm)
	Pacific Blue® 410	455
Preparation	Purified IgG prepared by affinity chromatog	raphy on Protein G from tissue cul
Buffer Solution	supernatant Phosphate buffered saline	
Buffer Solution Preservative Stabilisers		

Immunoge	n
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Canine CD8 alpha chimaeric human IgG1 Fc fusion protein.

External Database Links

UniProt:

P33706 Related reagents

Entrez Gene:

403157 CD8A Related reagents

RRID

AB 1102342

Fusion Partners

Spleen cells from immunized 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 (Cobbold et al. 1994). YCATE55.9 reacts with a rat cell line transfected with cDNA for canine CD8α (Gorman et al. 1994) 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 10µl of the suggested working dilution to label 10⁶ cells in 100µl

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Storage

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Guarantee

12 months from date of despatch

Acknowledgements

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Health And Safety Information

Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA1039PB 10041

Related Products

Recommended Negative Controls

RAT IgG1 NEGATIVE CONTROL:Pacific Blue® (MCA6004PB)

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 Europe
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