

Datasheet: MCA500SBV570

BATCH NUMBER 100005140

Description:	RAT ANTI MOUSE CD3:StarBright Violet 570
Specificity:	CD3
Format:	StarBright Violet 570
Product Type:	Monoclonal Antibody
Clone:	КТ3
Isotype:	lgG2a
Quantity:	100 TESTS/0.5ml

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 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.

Torget Species	Marria		
Target Species	Mouse		
Product Form	Purified IgG conjugate	ed to StarBright Violet	570 - liquid
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm
	StarBright Violet 570	402	570
Preparation	Purified IgG prepared supernatant	by affinity chromatogi	raphy on Protein G
Buffer Solution	Phosphate buffered sa	aline	
Preservative	0.09% Sodium Azide	(NaN ₃)	
Stabilisers	1% Bovine Serum Alb	oumin	
	0.1% Pluronic F68		
	0.1% PEG 3350		
	0.05% Tween 20		

Immunogen	CBAT6 thymocytes		
External Database	UniProt:		
Links	P22646 Related reagents		
	P24161 Related reagents		
	P11942 Related reagents		
	P29020 Related reagents P04235 Related reagents		
	104235 Related reagents		
	Entrez Gene:		
	12501 Cd3e Related reagents		
	12503 Cd247 Related reagents		
	12500 Cd3d Related reagents		
	12502 Cd3g Related reagents		
	12503 Cd247 Related reagents		
Synonyms	Cd3z, T3d, Tcrz		
Fusion Partners	Spleen cells from immunized SD rats were fused with cells of the NS0 mouse myeloma cell line.		
Specificity	Rat anti Mouse CD3 antibody, clone KT3 recognizes the mouse CD3 antigen, expressed by mature T cells. Rat anti Mouse CD3 antibody, clone KT3 may be used to trigger proliferation and cytotoxicity of CD3 positive cells (Tomonari 1988).		
	NB. For optimal staining incubations should be performed at room temperature.		
Flow Cytometry	Use 5ul of the suggested working dilution to label 10 ⁶ cells in 100ul. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.		
References	 Tomonari, K. (1988) A rat antibody against a structure functionally related to the mouse T-cell receptor/T3 complex. <u>Immunogenetics. 28 (6): 455-8.</u> Lazarovits, A.I. <i>et al.</i> (1999) Mechanisms of induction of renal allograft tolerance in CD45RB-treated mice. <u>Kidney Int. 55: 1303-10.</u> Heitmann, S. <i>et al.</i> (1999) Immunohistological characterization of leukocytes in the lungs of healthy mice and after bacterial intratracheal infection. <u>Lab Anim. 33: 288-94.</u> Tarlton, J.F. <i>et al.</i> (2000) The role of up-regulated serine proteases and matrix metalloproteinases in the pathogenesis of a murine model of colitis. <u>Am J Pathol. 157: 1927-35.</u> Lacroix-Lamandé, S. <i>et al.</i> (2002) Role of gamma interferon in chemokine expression in 		

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Storage	Store at +4°C. DO NOT FREEZE.
	This product should be stored undiluted.

Guarantee	12 months from date of despatch
Acknowledgements	This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts
Health And Safety Information	Material Safety Datasheet documentation #20471 available at: https://www.bio-rad-antibodies.com/SDS/MCA500SBV570 20471
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

MOUSE SEROBLOCK FcR (BUF041A)
MOUSE SEROBLOCK FcR (BUF041B)

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

Email: antibody_sales_us@bio-rad.com

Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Fax: +49 (0) 89 8090 95 50

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M379754:210408'

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