

# Datasheet: MCA1258SBUV510

Description:	RAT ANTI MOUSE CD45R:StarBright UltraViolet 510		
Specificity:	CD45R		
Other names:	B220, LY-5		
Format:	StarBright UltraViolet 510		
Product Type:	Monoclonal Antibody		
Clone:	RA3-6B2		
lsotype:	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 <u>www.bio-rad-antibodies.com/protocols</u> .				
		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 give 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	Mouse				
Species Cross Reactivity	Reacts with: Human, Cat <b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.				
Product Form	Purified IgG conjugated to StarBright UltraViolet 510 - liquid				
Max Ex/Em	Fluorophore	Excitation Max (	nm) Emission Max (nm)		
	StarBright UltraViolet 510	340	513	-	
Preparation	Purified IgG prepared supernatant	by affinity chrom	atography on Protein G fr	om tissue culture	

Buffer Solution	Phosphate buffered saline	
Preservative Stabilisers	0.09% sodium azide (NaN <sub>3</sub> ) 1% bovine serum albumin 0.1% Pluronic F68 0.1% PEG 3350 0.05% Tween 20	
Immunogen	Murine leukemia-induced pre-B tumor cells (RAW112)	
External Database Links	UniProt:P06800Related reagentsEntrez Gene:19264PtprcRelated reagents	
Synonyms	Ly-5	
Fusion Partners	Spleen cells from immunized Lewis rats were fused with cells myeloma cell line	of the rat S194/5 XX0.BU-1
Specificity	Rat anti Mouse CD45R antibody, clone RA3-6B2 recognize the CD45 antigen expressed by B cells and lytically active sub non-MHC restricted CTL's. Rat anti Mouse CD45R antibody, c immunoprecipitates the high molecular weight form of CD45 (2 Rat anti Mouse CD45R antibody, clone RA3-6B2 is suitable for embedded tissues (Whiteland <i>et al.</i> 1995).	osets of NK cells and clone RA3-6B2 220 kDa).
Flow Cytometry	Use 5µl of the suggested working dilution to label 10 <sup>6</sup> cells in suggest a 5 minutes centrifugation at 6,000g prior to sample a	• •
References	<ol> <li>Holmes, K.L. <i>et al.</i> (1986) Analysis of neoplasms induced b extracts. <u>J Immunol. 137 (2): 679-88.</u></li> <li>Spangrude, G.J. <i>et al.</i> (1988) Purification and characterizati stem cells. <u>Science. 241: 58-62.</u></li> <li>Spangrude, G.J. <i>et al.</i> (1988) Two rare populations of mous cells repopulate the thymus. <u>J Exp Med. 167 (5): 1671-83.</u></li> <li>Whiteland, J.L. <i>et al.</i> (1995) Immunohistochemical detection leukocytes in paraffin-embedded rat and mouse tissues with n <u>Histochem Cytochem. 43 (3): 313-20.</u></li> <li>Hawke, S. <i>et al.</i> (1998) Long-term persistence of activated a fter viral infection of the central nervous system. <u>J Exp Med.</u></li> <li>Rosmalen, J.G. <i>et al.</i> (2000) Subsets of macrophages and diabetic mouse pancreatic inflammatory infiltrates: correlation diabetes. <u>Lab Invest. 80 (1): 23-30.</u></li> <li>Stevenson, P.G. <i>et al.</i> (2002) Uncoupling of virus-induced in</li> </ol>	ion of mouse hematopoietic se Thy-1lo bone marrow n of T-cell subsets and other nonoclonal antibodies. J cytotoxic T lymphocytes <u>187: 1575-82.</u> dendritic cells in nonobese with the development of

immunity in the brain parenchyma. J Gen Virol. 83: 1735-43.

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experimental autoimmune encephalomyelitis via Toll-like receptor 2. <u>Infect Immun. 74:</u> <u>4841-8.</u>

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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 rela counterparts	ted U.S. and foreign
Health And Safety Information	Material Safety Datasheet documentation #20471 available at: https://www.bio-rad-antibodies.com/SDS/MCA1258SBUV510 20471	
Regulatory	For research purposes only	
Deleted Dreduce	4	

### **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		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-ra	ad.com	Email: antibody_sales_uk@bio-r	ad.com	Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M408735:221013'

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