

Datasheet: MCA2389SBR715 BATCH NUMBER 64572248

Description:	RAT ANTI MOUSE Ly-6C:StarBright Red 715		
Specificity:	Ly-6C		
Other names:	Lymphocyte antigen 6C2		
Format:	StarBright Red 715		
Product Type:	Monoclonal Antibody		
Clone:	ER-MP20		
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 necessarily exclude its use in such procedures. Suggested working dilutions a guide only. It is recommended that the user titrates the product for use in t system using appropriate negative/positive controls.					
Target Species	Mouse					
Product Form	Purified IgG conjugated to StarBright Red 715 - liquid					
Max Ex/Em	Fluorophore	Excitation Max (r	m) Emission Max (nm)			
	StarBright Red 715	638	712			
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant					
Buffer Solution	Phosphate buffered saline					
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 0.1% Pluronic F68 0.1% PEG 3350					

	0.05% Tween 20			
Immunogen	Balb/c macrophage precursor cell hybrids.			
External Database Links	UniProt: <u>P0CW03</u> <u>Related reagents</u>			
Fusion Partners	Spleen cells from immunized rats were fused with cells of the Y3-Ag1.2.3 myeloma cell line.			
Specificity	Rat anti Mouse Ly-6C antibody, clone ER-MP20 recognizes murine Ly-6C, a 131 amino acid ~14 kDa differentiation antigen, expressed on macrophage/dendritic cell precursors in mid-stage development (late CFU-M, monoblasts and immature monocytes), granulocytes, and on a wide range of endothelial cells and subpopulations of B- and T-lymphocytes.			
	Rat anti Mouse Ly-6C antibody, clone ER-MP20 is able to distinguish multiple mouse blood monocyte subsets: immature Ly-6C ^{hi} monocytes are recruited to acute peripheral inflammation and develop into Ly-6C ⁺ exudate macrophages, whereas more mature Ly-6C ^{-/lo} monocytes are precursors for tissue macrophages and dendritic cells in steady state.			
	Rat anti Mouse Ly-6C, clone ER-MP20 can be used in conjunction with clone <u>ER-MP12</u> in two colour flow cytometric analysis, to identify different stages of myeloid progenitor cells in mouse bone marrow (<u>Leenen <i>et al.</i> 1990</u>).			
	Rat anti Mouse Ly-6C was originally described as recognizing a protein encoded by the LY6C gene. It has subsequently become apparent that the LY6C locus demonstrates polymorphism and the LY6C gene has been re-designated LY6C2. The LY6C1 gene encodes a similar protein with ~95% sequence homology to LY6C2.			
Flow Cytometry	Use 5µl of the suggested working dilution to label 10 ⁶ cells in 100µl. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.			
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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-rad	.com	Email: antibody_sales_uk@bio-rac	d.com	Email: antibody_sales_de@bio-rad.com

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