

Datasheet: MCA1322FB

Description:	RAT ANTI MOUSE CD204:FITC
Specificity:	CD204
Other names:	SCAVENGER RECEPTOR TYPE I/II
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	2F8
Isotype:	lgG2b
Quantity:	0.5 mg

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	•			1/10 - 1/50
Immunohistology - Frozen			•	
Immunohistology - Paraffin		•		
Immunohistology - Resin		•		

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.

Target Species	Mouse					
Species Cross	Reacts with: Pig,	Channel catfish				
Reactivity	N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications personal communications from the originators. Please refer to references indicated further information.					
Product Form	Purified IgG conju	ugated to Fluorescein Isoth	niocyanate Isomer 1 (FITC) - liquid		
	Fluorophore	Excitation Max (nm)	Emission Max (nm)			
Max Ex/Em		` ,				

supernatant

Buffer Solution	Phosphate buffered saline		
Preservative	0.09% sodium azide (NaN ₃)		
Stabilisers	1% bovine serum albumin		
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml		
Immunogen	Raw 264 cell line		
External Database			
Links	UniProt:		
	P30204 Related reagents		
	Entrez Gene:		
	20288 Msr1 Related reagents		
Synonyms	Scvr		
RRID	AB_324591		
Fusion Partners	Spleen cells from immunized AO rats were fused with cells of the Y3 rat myeloma cell line		
Specificity	Rat anti Mouse CD204 antibody, clone 2F8 recognizes the murine scavenger receptor class A (SR-A), type I and II, also known as CD204. CD204 is expressed by tissue macrophages and functions both as an endocytic receptor for lipoproteins and as an adhesion receptor for macrophages binding to ligand rich tissues e.g. atherosclerotic lesions. Rat anti Mouse CD204 antibody, clone 2F8 inhibits the uptake of acetylated low-density lipoproteins and also inhibits divalent cation independent adhesion (Fraser et al. 1993).		
	Rat anti Mouse CD204 antibody, clone 2F8 recognizes an epitope within SRA that is polymorphic in the SRA from C57BL/6 mice. Rat anti Mouse CD204 antibody, clone 2F8 is therefore unsuitable for use with the C57BL/6 mouse strain (<u>Daugherty et al. 2000</u>).		
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR (BUF041A/BUF041B).		
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Further Reading 1. Gordon, S. (1995) The macrophage. Bioessays. 17 (11): 977-86. 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 Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA1322FB

For research purposes only

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M437949:250320'

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