

Datasheet: MCA1322A488

BATCH NUMBER 1610

Description:	RAT ANTI MOUSE CD204:Alexa Fluor® 488
Specificity:	CD204
Other names:	SCAVENGER RECEPTOR TYPE I/II
Format:	ALEXA FLUOR® 488
Product Type:	Monoclonal Antibody
Clone:	2F8
lsotype:	lgG2b
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 <u>www.bio-rad-antibodies.com/protocols</u> .						
		Yes No	Not Determined	Suggested Dilution			
	Flow Cytometry	-		Neat - 1/5			
	necessarily exclude its	use in such procedu mmended that the us	ser titrates the antibody	g dilutions are given as			
Target Species	Mouse						
Species Cross Reactivity	Reacts with: Pig, Channel catfish N.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 Alexa Fluor® 488 - liquid						
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)				
	Alexa Fluor®488	495	519				
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 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml
Immunogen	Raw 264 cell line
External Database Links	UniProt: P30204 Related reagents Entrez Gene: 20288 Msr1 Related reagents
Synonyms	Scvr
RRID	AB_324818
Fusion Partners	Spleen cells from immunised 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 <i>et al.</i> 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 <i>et al.</i> 2000</u>).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
	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 (<u>BUF041A/B</u>).
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Storage	Emerg Microbes Infect. : 1-39. Store at +4°C or at -20°C if preferred.
	This product should be stored undiluted.
	Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light.
	Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
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