

Datasheet: MCA1322A488T

## **BATCH NUMBER 163159**

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
Isotype:	lgG2b
Quantity:	25 TESTS/0.25ml

# **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 <a href="www.bio-rad-antibodies.com/protocols">www.bio-rad-antibodies.com/protocols</a>.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	-			Neat - 1/5

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Mouse			
Species Cross	Reacts with: Pig, C	Channel catfish		
Reactivity	reactivity is derived	d from testing within our l cations from the originate	ions may vary between species. Cross aboratories, peer-reviewed publications ors. Please refer to references indicated	s or
Product Form	Purified IgG conjug	gated to Alexa Fluor® 48	8 - liquid	
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)	
	Alexa Fluor®488	495	519	
Preparation	Purified IgG prepar supernatant	red by affinity chromatog	raphy on Protein G from tissue culture	

Buffer Solution	Phosphate buffered saline	
Preservative Stabilisers	0.09% Sodium Azide  1% Bovine Serum Albumin	
	170 Bovine Gerani Albanini	
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml	
Immunogen	Raw 264 cell line	
External Database	UniDeat.	
Links	UniProt:  P30204 Related reagents	
	Entrez Gene:	
	20288 Msr1 Related reagents	
Synonyms	Scvr	
RRID	AB_1101282	
Fusion Partners	Spleen cells from immunised AO rats were fused with cells of t	he Y3 rat myeloma cell line
Specificity	Rat anti Mouse CD204 antibody, clone 2F8 recognizes the model class A (SR-A), type I and II, also known as CD204. CD204 is a macrophages and functions both as an endocytic receptor for I adhesion receptor for macrophages binding to ligand rich tissue lesions. Rat anti Mouse CD204 antibody, clone 2F8 inhibits the low-density lipoproteins and also inhibits divalent cation independent 1993).	expressed by tissue ipoproteins and as an es e.g. atherosclerotic uptake of acetylated
	Rat anti Mouse CD204 antibody, clone 2F8 recognizes an epit polymorphic in the SRA from C57BL/6 mice. Rat anti Mouse C therefore unsuitable for use with the C57BL/6 mouse strain (Da	D204 antibody, clone 2F8 is
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in	100ul.
	The Fc region of monoclonal antibodies may bind non-specifical affinity fc receptors. This may be reduced by using SeroBlock F	
References	1. Fraser, I. <i>et al.</i> (1993) Divalent cation-independent macropha monoclonal antibody to murine scavenger receptor. <u>Nature. 36-</u> 2. de Villiers, W.J. <i>et al.</i> (1994) Macrophage-colony-stimulating macrophage scavenger receptor expression and function. <u>J Ex</u> 3. Hughes, D.A. <i>et al.</i> (1995) Murine macrophage scavenger reand function as receptor for macrophage adhesion in lymphoid <u>Eur J Immunol. 25 (2): 466-73.</u>	4 (6435): 343-6. factor selectively enhances p Med. 180 (2): 705-9. eceptor: in vivo expression

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#### 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

### Acknowledgements

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