

Datasheet: MCA2285A488

Description:	MOUSE ANTI RAT CD88:Alexa Fluor® 488
Specificity:	CD88
Other names:	C5aR
Format:	ALEXA FLUOR® 488
Product Type:	Monoclonal Antibody
Clone:	R63
Isotype:	IgG1
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 www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat - 1/10

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	Rat		
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	0.09% Sodium Azide		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml		
Immunogen	Transfectants expressing rat CD88.		
External Database Links	UniProt: P97520 Related reagents		

Entrez Gene:

[113959](#) C5ar1 [Related reagents](#)

Synonyms	C5r1
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Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse Ag8.653 myeloma cell line.
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Specificity	<p>Mouse anti Rat CD88 antibody, clone R63 recognizes the rat CD88 cell surface receptor, also known as C5aR, which functions as a receptor for the C5a fragment of the complement factor C5.</p> <p>CD88 is expressed by cells of the myeloid lineage such as monocytes and macrophages.</p>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul
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References	<ol style="list-style-type: none">Schlaf, G. <i>et al.</i> (1999) Differential expression of the C5a receptor on the main cell types of rat liver as demonstrated with a novel monoclonal antibody and by C5a anaphylatoxin-induced Ca²⁺ release. Lab Invest. 79 (10): 1287-97.Rothermel, E. <i>et al.</i> (2000) Analysis of the tissue distribution of the rat C5a receptor and inhibition of C5a-mediated effects through the use of two MoAbs. Scand J Immunol. 52 (4): 401-10.Unnewehr, H. <i>et al.</i> (2013) Changes and regulation of the C5a receptor on neutrophils during septic shock in humans. J Immunol. 190 (8): 4215-25.Schieferdecker, H.L. <i>et al.</i> (2000) Induction of functional anaphylatoxin C5a receptors on hepatocytes by in vivo treatment of rats with IL-6. J Immunol. 164 (10): 5453-8.
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 488 \(MCA1209A488\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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