

Datasheet: MCA2682A488

Description:	RAT ANTI MOUSE ABCA2:Alexa Fluor® 488
Specificity:	ABCA2
Other names:	ATP BINDING CASSETTE 2
Format:	ALEXA FLUOR® 488
Product Type:	Monoclonal Antibody
Clone:	9A2-51.3
Isotype:	IgG2a
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 (1)	■			Neat - 1/10

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.

(1)Membrane permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code [BUF09](#)) for this purpose.

Target Species	Mouse						
Product Form	Purified IgG conjugated to Alexa Fluor® 488 - liquid						
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>Alexa Fluor®488</td> <td>495</td> <td>519</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	Alexa Fluor®488	495	519
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 (NaN ₃)						
Stabilisers	1% Bovine Serum Albumin						
Approx. Protein Concentrations	IgG concentration 0.05mg/ml						
Immunogen	ABCA2 transfected HeLa cells.						
External Database Links	UniProt:						

[P41234](#) [Related reagents](#)

Entrez Gene:

[11305](#) Abca2 [Related reagents](#)

Synonyms	Abc2
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Specificity	<p>Rat anti Mouse ABCA2 antibody, clone 9A2-51.3 recognizes murine adenosine triphosphate (ATP) binding cassette transporter 2 (ABCA2). ATP-binding cassette (ABC) transporters are a large family of conserved proteins that translocate molecules across cellular membranes.</p> <p>ABCA2 is a 250kD member of the ABC-A sub-family, which is predominantly expressed in the central nervous system, ovary and macrophages. The ABCA2 molecule shares homology with ABCA1 and ABCA7 and plays an important role in lipid metabolism. ABCA2 has been associated with Alzheimer's disease, and studies suggest that ABCA2 could also be involved in drug transport and resistance of tumours to chemotherapy.</p>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. 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.</p>
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	<p>Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</p>
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Regulatory	For research purposes only
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Related Products

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:Alexa Fluor® 488 \(MCA1212A488\)](#)

Recommended Useful Reagents

[MOUSE SEROBLOCK FcR \(BUF041A\)](#)

[MOUSE SEROBLOCK FcR \(BUF041B\)](#)

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