

## Datasheet: MCA2683PE

<b>Description:</b>	RAT ANTI MOUSE ABCA7:RPE
<b>Specificity:</b>	ABCA7
<b>Other names:</b>	ATP-BINDING CASSETTE 7
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	4A7-144.1
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	100 TESTS

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

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.

<b>Target Species</b>	Mouse		
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
<b>Reconstitution</b>	Reconstitute with 1.0ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE 488nm laser	496	578
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )		
<b>Stabilisers</b>	1% Bovine Serum Albumin 5% Sucrose		
<b>Immunogen</b>	ABCA7 transfected HeLa cells.		
<b>External Database Links</b>	<b>UniProt:</b>		
	<a href="https://www.uniprot.org/entry/Q91V24">Q91V24</a>	<a href="#">Related reagents</a>	

**Entrez Gene:**[27403](#) [Abca7](#) [Related reagents](#)

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<b>Specificity</b>	<b>Rat anti Mouse ABCA7 antibody, clone 4A7-144.1</b> recognizes murine adenosine triphosphate (ATP) Binding cassette transporter 7 (ABCA7). The ABC transporters are a large family of conserved proteins that transport a wide variety of molecules across cellular membranes. ABCA7 is a member of the ABC-A sub-family, which is predominantly expressed in the thymus and in other immune and haematopoietic tissues. The exact physiological function of ABCA7 is unknown, although the molecule shows the highest homology to ABCA1 and may play a similar role in lipid homeostasis.
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul.
<b>Storage</b>	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Shelf Life</b>	12 months from date of reconstitution.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10075 available at: 10075: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:RPE \(MCA1212PE\)](#)

### Recommended Useful Reagents

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

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

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