

Datasheet: MCA2683PE

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

Product Details

RRID AB_2220397

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

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.

Target Species Mouse

Product Form Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

Reconstitution Reconstitute with 1.0ml distilled water

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578

Preparation Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide (NaN₃)

Stabilisers 1% Bovine Serum Albumin

5% Sucrose

Immunogen ABCA7 transfected HeLa cells.

External Database

Links

UniProt:

Entrez Gene:

[27403](#) Abca7 [Related reagents](#)

Specificity	Rat anti Mouse ABCA7 antibody, clone 4A7-144.1 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.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.
Storage	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.
Guarantee	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

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

Recommended Useful Reagents

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

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

North & South America	Tel: +1 800 265 7376 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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