

Datasheet: MCA2814PE

BATCH NUMBER 157030

Description:	MOUSE ANTI HUMAN CD2:RPE
Specificity:	CD2
Other names:	LFA-2
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	RPA-2.10
Isotype:	IgG1
Quantity:	100 TESTS/0.5ml

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

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

Human

Species Cross Reactivity

Reacts with: Macaque, Cynomolgus monkey, Rhesus Monkey, Pig, Baboon, Chimpanzee
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG conjugated to RPE - liquid

Max Ex/Em

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

Preparation

Purified IgG prepared by affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative	0.09% Sodium Azide
Stabilisers	0.2% Bovine Serum Albumin
External Database Links	<p>UniProt: P06729 Related reagents</p> <p>Entrez Gene: 914 CD2 Related reagents</p>
Synonyms	SRBC
RRID	AB_2228891
Specificity	Mouse anti Human CD2 antibody, clone RPA-2.10 recognizes the human CD2 cell surface antigen. CD2 is expressed by T lymphocytes and by NK cells.
Flow Cytometry	Use 5ul of the suggested working dilution to label 10 ⁶ cells or 100ul whole blood.
References	<ol style="list-style-type: none"> 1. Scherthaner, G.H. <i>et al.</i> (2001) Expression, epitope analysis, and functional role of the LFA-2 antigen detectable on neoplastic mast cells. Blood. 98 (13): 3784-92. 2. Aversa GG <i>et al.</i> (1987) RPA-2.10: an anti-CD2 monoclonal antibody that inhibits alloimmune responses and monitors T cell activation. Transplant Proc. 19 (1 Pt 1): 277-8.
Further Reading	1. Piriou-Guzylack, L. (2008) Membrane markers of the immune cells in swine: an update. Vet Res. 39: 54.
Storage	<p>Store at +4°C.</p> <p>DO NOT FREEZE.</p> <p>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.</p>
Guarantee	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2814PE 10041
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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