

Datasheet: MCA2814C

BATCH NUMBER 161123

Description:	MOUSE ANTI HUMAN CD2:RPE-Cy5
Specificity:	CD2
Other names:	LFA-2
Format:	RPE-CY5
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-Cy5 - liquid
Preparation	Purified IgG prepared by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide

0.2% Bovine Serum Albumin

External Database Links

UniProt:

[P06729](#) [Related reagents](#)

Entrez Gene:

[914](#) CD2 [Related reagents](#)

Synonyms

SRBC

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 10⁶ cells or 100ul whole blood.

References

1. Schernthaner, G.H. *et al.* (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 *et al.* (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.](#)
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Further Reading

1. Piriou-Guzylack, L. (2008) Membrane markers of the immune cells in swine: an update. [Vet Res. 39: 54.](#)
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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

6 months from date of despatch.

Acknowledgements

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Health And Safety Information

Material Safety Datasheet documentation available at:
<https://www.bio-rad-antibodies.com/SDS/MCA2814C>
Material Safety Datasheet Documentation #10041 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

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

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

North & South Tel: +1 800 265 7376

Worldwide Tel: +44 (0)1865 852 700

Europe Tel: +49 (0) 89 8090 95 21

America Fax: +1 919 878 3751

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Email: antibody_sales_de@bio-rad.com

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

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