

Datasheet: MCA1719C

Description:	MOUSE ANTI HUMAN CD45:RPE-Cy5
Specificity:	CD45
Other names:	LCA
Format:	RPE-CY5
Product Type:	Monoclonal Antibody
Clone:	HI30
Isotype:	IgG1
Quantity:	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.

	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

Human

Species Cross Reactivity

Reacts with: 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

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
RPE-Cy5 488nm laser	496	667

Preparation

Purified IgG prepared by affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative 0.09% sodium azide (NaN₃)
Stabilisers 0.2% bovine serum albumin

External Database Links

UniProt:
[P08575](#) [Related reagents](#)

Entrez Gene:
[5788](#) PTPRC [Related reagents](#)

Synonyms CD45

RRID AB_322668

Specificity **Mouse anti Human CD45 antibody, clone HI30** recognizes the human CD45 cell surface antigen, also known as the leukocyte common antigen.

CD45 is expressed by all leukocytes; expression on granulocytes being weaker than on lymphocytes.

Flow Cytometry Use 5µl of the suggested working dilution to label 10⁶ cells or 100µl whole blood

References

1. Alvarez-gonzalez, C. *et al.* (2013) Cord blood Lin(-)CD45(-) embryonic-like stem cells are a heterogeneous population that lack self-renewal capacity. [PLoS One. 8 \(6\): e67968.](#)
2. Eksteen, B. *et al.* (2009) Gut homing receptors on CD8 T cells are retinoic acid dependent and not maintained by liver dendritic or stellate cells. [Gastroenterology. 137 \(1\): 320-9.](#)

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 Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

Acknowledgements Cy and CyDye are registered trademarks of GE Healthcare

Health And Safety Information Material Safety Datasheet documentation #10041 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA1719C>
10041

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

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

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

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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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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