

Datasheet: MCA6134PE

Description:	MOUSE ANTI HUMAN CD30:RPE
Specificity:	CD30
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	Ber-H8
Isotype:	IgG1
Quantity:	100 TESTS/1ml

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		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	<0.1% Sodium Azide (NaN ₃)		
Stabilisers	0.2% Bovine Serum Albumin		

External Database Links

UniProt:

[P28908](#)

[Related reagents](#)

Entrez Gene:[943](#) TNFRSF8 [Related reagents](#)

Synonyms CD30, D1S166E

Specificity **Mouse anti Human CD30, clone Ber-H8** recognizes CD30 also known as Ki-1 or TNFRSF8, a 120 kDa type I transmembrane glycoprotein receptor that belongs to the Tumor necrosis factor super family. CD30 is expressed by subpopulations of mitogen-stimulated T and B cell lymphocytes and lymphoid neoplasms ([Weyden et al. 2017](#)).

CD30L, also known as TNFSF8 or CD153 is the ligand of CD30. Once activated by its ligand, the receptor transduces the signal via the recruitment of TNFR-associated factor (TRAF) and TRAF associating proteins to form a signaling complex. This complex can subsequently activate NFκB and MAPK signaling pathways propagating anti-apoptotic/pro-survival responses ([Muta and Podack 2013](#)). CD30 has been shown to be highly expressed in Hodgkin's lymphoma and anaplastic large cell lymphoma. Some research has also indicated that CD30 is associated with a range of non-hematopoietic pathologies, including germ cell tumors and testicular embryonal carcinomas ([Weyden et al. 2017](#)).

This clone Ber-H8 has been used in flow cytometry experiments to measure CD30 surface expression levels on CD4+ cells upon treatment of cord blood with human heat shock protein 60 ([Aalbese et al. 2011](#)).

Purity >95% by SDS PAGE

Flow Cytometry Use 10ul of the suggested working dilution to label 1x10⁶ 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.

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/MCA6134PE>
10041

Regulatory For research purposes only

Related Products

Recommended Negative Controls

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

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

North & South Tel: +1 800 265 7376

America 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

'M401910:220718'

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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