

Datasheet: MCA2188PE

Description:	MOUSE ANTI HUMAN CD52:RPE
Specificity:	CD52
Other names:	CAMPATH-1
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	HI186
Isotype:	IgG2b
Quantity:	100 TESTS

Product Details

RRID AB_324714

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

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

Reconstitution Reconstitute with 1 ml 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

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide (NaN₃)

Stabilisers 1% Bovine Serum Albumin

5% Sucrose

External Database Links

UniProt:

[P31358](#)

[Related reagents](#)

Entrez Gene:[1043](#) CD52 [Related reagents](#)**Synonyms**

CDW52, HE5

Specificity

Mouse anti Human CD52 antibody, clone HI186 reacts with the human CD52 antigen, also known as CAMPATH-1. The CD52 antigen is a remarkably small peptide that is heavily glycosylated, and attached to the cell surface membrane via a GPI link. The apparent molecular mass of the antigen on SDS-PAGE is 25-29kD.

CD52 is expressed at high density by lymphocytes, monocytes, eosinophils, thymocytes and macrophages. It is expressed by most lymphoid derived malignancies, although expression on myeloma cells is variable.

Flow CytometryUse 10ul of the suggested working dilution to label 1×10^6 cells in 100ul**References**

1. Hale, G and Rebello, P. (1997) CD52 workshop panel report. In Leucocyte Typing VI: White Cell Differentiation Antigens. Edited by Kishimoto, T. *et al.* Oxford University Press pp 514-7.
2. Hale, G. (2001) CD52 (CAMPATH1). [J Biol Regul Homeost Agents. 15 \(4\): 386-91.](#)
3. Rodig, S.J. *et al.* (2006) Heterogeneous CD52 expression among hematologic neoplasms: implications for the use of alemtuzumab (CAMPATH-1H). [Clin Cancer Res. 12 \(23\): 7174-9.](#)
4. Ambrose, L.R. *et al.* (2009) Neutrophils express CD52 and exhibit complement-mediated lysis in the presence of alemtuzumab. [Blood. 114: 3052-5.](#)
5. Nguyen, T.H. *et al.* (2012) Alemtuzumab induction of intracellular signaling and apoptosis in malignant B lymphocytes. [Leuk Lymphoma. 53: 699-709.](#)

Storage

Prior to reconstitution store at +4°C. Following reconstitution 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.

Shelf Life

12 months from date of reconstitution.

Health And Safety InformationMaterial 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

[MOUSE IgG2b NEGATIVE CONTROL:RPE \(MCA691PE\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)[HUMAN SEROBLOCK \(BUF070B\)](#)

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