

## Datasheet: MCA2188FT

<b>Description:</b>	MOUSE ANTI HUMAN CD52:FITC
<b>Specificity:</b>	CD52
<b>Other names:</b>	CAMPATH-1
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	HI186
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	10 µg

## Product Details

**RRID** AB\_324194

**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](http://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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525

**Preparation** Purified IgG prepared by affinity chromatography on Protein G

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.09% Sodium Azide  
**Stabilisers** 1% Bovine Serum Albumin

**Approx. Protein Concentrations** IgG concentration 0.1 mg/ml

**External Database Links**  
**UniProt:** [P31358](https://www.uniprot.org/entry/P31358) [Related reagents](#)

**Entrez Gene:**

[1043](#) CD52 [Related reagents](#)

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<b>Synonyms</b>	CDW52, HE5
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<b>Specificity</b>	<p><b>Mouse anti Human CD52 antibody, clone HI186</b> 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.</p> <p>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.</p>
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells or 100ul whole blood.
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<b>References</b>	<ol style="list-style-type: none"><li>1. Hale, G and Rebello, P. (1997) CD52 workshop panel report. In Leucocyte Typing VI: White Cell Differentiation Antigens. Edited by Kishimoto, T. <i>et al.</i> Oxford University Press pp 514-7.</li><li>2. Hale, G. (2001) CD52 (CAMPATH1). <a href="#">J Biol Regul Homeost Agents. 15 (4): 386-91.</a></li><li>3. Rodig, S.J. <i>et al.</i> (2006) Heterogeneous CD52 expression among hematologic neoplasms: implications for the use of alemtuzumab (CAMPATH-1H). <a href="#">Clin Cancer Res. 12 (23): 7174-9.</a></li><li>4. Ambrose, L.R. <i>et al.</i> (2009) Neutrophils express CD52 and exhibit complement-mediated lysis in the presence of alemtuzumab. <a href="#">Blood. 114: 3052-5.</a></li><li>5. Nguyen, T.H. <i>et al.</i> (2012) Alemtuzumab induction of intracellular signaling and apoptosis in malignant B lymphocytes. <a href="#">Leuk Lymphoma. 53: 699-709.</a></li></ol>
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<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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<b>Shelf Life</b>	18 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL:FITC \(MCA691F\)](#)

### Recommended Useful Reagents

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

HUMAN SEROBLOCK (BUF070B)

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