Datasheet: MCA2188F

Description:	MOUSE ANTI HUMAN CD52:FITC
Specificity:	CD52
Other names:	CAMPATH-1
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	HI186
Isotype:	IgG2b
Quantity:	0.1 mg

Product Details

RRID AB_323824

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 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 Stabilisers

0.09% Sodium Azide
1% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 0.1 mg/ml

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 Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells or 100ul whole blood.
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	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG2b NEGATIVE CONTROL:FITC (MCA691F)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)

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
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