

Datasheet: MCA88A488

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| Description: | MOUSE ANTI HUMAN CD45RA:Alexa Fluor® 488 |
| Specificity: | CD45RA |
| Format: | ALEXA FLUOR® 488 |
| Product Type: | Monoclonal Antibody |
| Clone: | F8-11-13 |
| 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.

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| Target Species | Human | | |
| Species Cross Reactivity | Reacts with: Rhesus Monkey N.B. Antibody reactivity and working conditions may vary between species. | | |
| Product Form | Purified IgG conjugated to Alexa Fluor® 488 - liquid | | |
| Max Ex/Em | Fluorophore Alexa Fluor®488 | Excitation Max (nm) 495 | Emission Max (nm) 519 |
| Preparation | Purified IgG prepared by affinity chromatography on protein A from tissue culture supernatant | | |
| Buffer Solution | Phosphate buffered saline | | |
| Preservative Stabilisers | 0.09% Sodium Azide 1% Bovine Serum Albumin | | |
| Approx. Protein Concentrations | IgG concentration 0.05 mg/ml | | |
| Immunogen | Human T lymphocytes | | |
| External Database Links | UniProt: | | |

Entrez Gene:

[5788](#) PTPRC [Related reagents](#)

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| Synonyms | CD45 |
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| Fusion Partners | Spleen cells from immunised BALB/c mouse were fused with cells of the NS-1 mouse myeloma cell line |
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| Specificity | <p>Mouse anti Human CD45RA antibody, clone F8-11-13 recognizes the human CD45RA cell surface antigen.</p> <p>CD45 is a complex molecule existing in a number of isoforms. Antibodies recognising a common epitope on all of these isoforms are termed CD45 whilst those recognising only individual isoforms are termed CD45RA or CD45RO etc.</p> <p>Mouse anti Human CD45RA antibody, clone F8-11-13 reacts with the high molecular weight form of the leucocyte common antigen (LCA) expressed by B lymphocytes and a subset of T lymphocytes.</p> <p>Mouse anti Human CD45RA antibody, clone F8-11-13 is routinely tested in flow cytometry on human peripheral blood lymphocytes.</p> |
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| Flow Cytometry | Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul |
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| References | <ol style="list-style-type: none">1. Dalchau, R. & Fabre, J.W. (1981) Identification with a monoclonal antibody of a predominantly B lymphocyte-specific determinant of the human leukocyte common antigen. Evidence for structural and possible functional diversity of the human leukocyte common molecule. J Exp Med. 153 (4): 753-65.2. O'Grady, J.T. <i>et al.</i> (1994) CD40 expression in Hodgkin's disease. Am J Pathol. 144 (1): 21-6.3. Franitz, S. <i>et al.</i> (2002) TGF-beta1 enhances SDF-1alpha-induced chemotaxis and homing of naive T cells by up-regulating CXCR4 expression and downstream cytoskeletal effector molecules. Eur J Immunol. 32 (1): 193-202.4. Leigh, J.E. <i>et al.</i> (2006) Characterization of the immune status of CD8+ T cells in oral lesions of human immunodeficiency virus-infected persons with oropharyngeal Candidiasis. Clin Vaccine Immunol. 13 (6): 678-83.5. Hunt, L. <i>et al.</i> (2016) T cell subsets: an immunological biomarker to predict progression to clinical arthritis in ACPA-positive individuals. Ann Rheum Dis. 75 (10): 1884-9.6. Ibane, J.A. <i>et al.</i> (2012) The major CD8 T cell effector memory subset in the normal and <i>Chlamydia trachomatis</i>-infected human endocervix is low in perforin. BMC Immunol. 13: 66. |
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| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted. 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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| Shelf Life | 18 months from date of despatch |
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| Acknowledgements | This product is provided under an intellectual property licence from Life Technologies Corporation. |
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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 IgG1 NEGATIVE CONTROL:Alexa Fluor® 488 \(MCA928A488\)](#)

Recommended Useful Reagents

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

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

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'M302947:170127'

Printed on 05 May 2018

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