

## Datasheet: MCA88SBB675

<b>Description:</b>	MOUSE ANTI HUMAN CD45RA:StarBright Blue 675
<b>Specificity:</b>	CD45RA
<b>Format:</b>	StarBright Blue 675
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	F8-11-13
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS/0.5ml

## 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](http://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								
Species Cross Reactivity	Reacts with: Rhesus Monkey <b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.								
Product Form	Purified IgG conjugated to StarBright Blue 675 - liquid								
Max Ex/Em	<table><tr><th>Fluorophore</th><th>Excitation Max (nm)</th><th>Emission Max (nm)</th></tr><tr><td>StarBright Blue 675</td><td>476</td><td>675</td></tr></table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	StarBright Blue 675	476	675		
Fluorophore	Excitation Max (nm)	Emission Max (nm)							
StarBright Blue 675	476	675							
Preparation	Purified IgG prepared by affinity chromatography on protein A from tissue culture supernatant								
Buffer Solution	Phosphate buffered saline								

<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin 0.1% Pluronic F68 0.1% PEG 3350 0.05% Tween 20
<b>Immunogen</b>	Human T lymphocytes
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P08575</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5788</a>    PTPRC    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CD45
<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mouse were fused with cells of the NS-1 mouse myeloma cell line
<b>Specificity</b>	<p><b>Mouse anti Human CD45RA antibody, clone F8-11-13</b> recognizes the human CD45RA cell surface antigen.</p> <p>CD45 is a complex molecule existing in a number of isoforms. Antibodies recognizing a common epitope on all of these isoforms are termed CD45 whilst those recognizing 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>
<b>Flow Cytometry</b>	Use 5ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Dalchau, R. &amp; 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. <a href="#">J Exp Med. 153 (4): 753-65.</a></li> <li>2. O'Grady, J.T. <i>et al.</i> (1994) CD40 expression in Hodgkin's disease. <a href="#">Am J Pathol. 144 (1): 21-6.</a></li> <li>3. Franitza, 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. <a href="#">Eur J Immunol. 32 (1): 193-202.</a></li> <li>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</li> </ol>

Candidiasis. [Clin Vaccine Immunol. 13 \(6\): 678-83.](#)

5. Hunt, L. *et al.* (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. Ibana, J.A. *et al.* (2012) The major CD8 T cell effector memory subset in the normal and *Chlamydia trachomatis*-infected human endocervix is low in perforin. [BMC Immunol. 13: 66.](#)

7. Ponchel, F. *et al.* (2014) An immunological biomarker to predict MTX response in early RA. [Ann Rheum Dis. 73 \(11\): 2047-53.](#)

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**Storage**

Store at +4°C. DO NOT FREEZE.  
This product should be stored undiluted.

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts

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**Health And Safety Information**

Material Safety Datasheet documentation #20471 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA88SBB675>  
20471

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Useful Reagents

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

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

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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)

'M415427:221221'

**Printed on 16 May 2024**