

# Datasheet: MCA1258SBY665

| Description:  | RAT ANTI MOUSE CD45R:StarBright Yellow 665 |  |  |  |  |
|---------------|--|--|--|--|--|
| Specificity:  | CD45R                                      |  |  |  |  |
| Other names:  | B220, LY-5                                 |  |  |  |  |
| Format:       | StarBright Yellow 665                      |  |  |  |  |
| Product Type: | Monoclonal Antibody                        |  |  |  |  |
| Clone:        | RA3-6B2                                    |  |  |  |  |
| Isotype:      | IgG2a                                      |  |  |  |  |
| Quantity:     | 100 TESTS/0.5ml                            |  |  |  |  |
|               |  |  |  |  |  |

### **Product Details**

| Applications                | This product has been reported to work in the following applications. This information 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 <u>www.bio-rad-antibodies.com/protocols</u> . |                |                 |          |                    |  |  |  |
|-----------------------------|---|----------------|-----------------|----------|--------------------|--|--|--|
|                             |   | Yes            | No Not Det      | ermined  | 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              | Mouse   |                |                 |          |                    |  |  |  |
| Species Cross<br>Reactivity | Reacts with: Human, Cat<br><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross<br>reactivity is derived from testing within our laboratories, peer-reviewed publications or<br>personal communications from the originators. Please refer to references indicated for<br>further information.  |                |                 |          |                    |  |  |  |
| Product Form                | Purified IgG conjugated to StarBright Yellow 665 - liquid   |                |                 |          |                    |  |  |  |
| Max Ex/Em                   | Fluorophore   | Excitation Max | (nm) Emission l | Max (nm) |                    |  |  |  |
|                             | StarBright Yellow 665   | 554            | 67              | 0        |                    |  |  |  |
| Preparation                 | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant   |                |                 |          |                    |  |  |  |
| Buffer Solution             | Phosphate buffered sa   | aline          |                 |          |                    |  |  |  |

| Preservative<br>Stabilisers | 0.09% Sodium Azide (NaN <sub>3</sub> )<br>1% Bovine Serum Albumin<br>0.1% Pluronic F68<br>0.1% PEG 3350<br>0.05% Tween 20  |
|-----------------------------|--|
| Immunogen                   | Murine leukemia-induced pre-B tumor cells (RAW112)   |
| External Database<br>Links  | UniProt:<br><u>P06800</u> <u>Related reagents</u><br>Entrez Gene:<br><u>19264</u> Ptprc <u>Related reagents</u>  |
| Synonyms                    | Ly-5   |
| Fusion Partners             | Spleen cells from immunized Lewis rats were fused with cells of the rat S194/5 XX0.BU-1 myeloma cell line  |
| Specificity                 | Rat anti Mouse CD45R antibody, clone RA3-6B2 recognizes murine CD45R, a form of<br>the CD45 antigen expressed by B cells and lytically active subsets of NK cells and<br>non-MHC restricted CTL's. Rat anti Mouse CD45R antibody, clone RA3-6B2<br>immunoprecipitates the high molecular weight form of CD45 (220 kDa).<br>Rat anti Mouse CD45R antibody, clone RA3-6B2 is suitable for plp fixed paraffin<br>embedded tissues ( <u>Whiteland <i>et al.</i>1995</u> ).   |
| Flow Cytometry              | Use 5µl of the suggested working dilution to label $10^6$ cells in $100µl$ . Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.  |
| References                  | <ol> <li>Holmes, K.L. <i>et al.</i> (1986) Analysis of neoplasms induced by Cas-Br-M MuLV tumor<br/>extracts. J Immunol. 137 (2): 679-88.</li> <li>Spangrude, G.J. <i>et al.</i> (1988) Purification and characterization of mouse hematopoietic<br/>stem cells. Science. 241: 58-62.</li> <li>Spangrude, G.J. <i>et al.</i> (1988) Two rare populations of mouse Thy-1Io bone marrow<br/>cells repopulate the thymus. J Exp Med. 167 (5): 1671-83.</li> <li>Whiteland, J.L. <i>et al.</i> (1995) Immunohistochemical detection of T-cell subsets and other<br/>leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies. J<br/><u>Histochem Cytochem. 43 (3): 313-20.</u></li> <li>Hawke, S. <i>et al.</i> (1998) Long-term persistence of activated cytotoxic T lymphocytes<br/>after viral infection of the central nervous system. J Exp Med. 187: 1575-82.</li> <li>Rosmalen, J.G. <i>et al.</i> (2000) Subsets of macrophages and dendritic cells in nonobese<br/>diabetic mouse pancreatic inflammatory infiltrates: correlation with the development of<br/>diabetes. Lab Invest. 80 (1): 23-30.</li> <li>Stevenson, P.G. <i>et al.</i> (2002) Uncoupling of virus-induced inflammation and anti-viral<br/>immunity in the brain parenchyma. J Gen Virol. 83: 1735-43.</li> <li>Perry, M.J. <i>et al.</i> (2000) Effects of high-dose estrogen on murine hematopoietic bone</li> </ol> |

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## **Recommended Useful Reagents**

### MOUSE SEROBLOCK FcR (BUF041A) MOUSE SEROBLOCK FcR (BUF041B)

| North & South | Tel: +1 800 265 7376                 | Worldwide | Tel: +44 (0)1865 852 700             | Europe | Tel: +49 (0) 89 8090 95 21           |
|---------------|--------------------------------------|-----------|--------------------------------------|--------|--------------------------------------|
| America       | Fax: +1 919 878 3751                 |           | Fax: +44 (0)1865 852 739             |        | Fax: +49 (0) 89 8090 95 50           |
|               | Email: antibody_sales_us@bio-rad.com |           | Email: antibody_sales_uk@bio-rad.com |        | Email: antibody_sales_de@bio-rad.com |

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M419133:230522'

#### Printed on 04 Apr 2024

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