

## Datasheet: MCA1258SBV760

|                      |  |
|----------------------|--|
| <b>Description:</b>  | RAT ANTI MOUSE CD45R:StarBright Violet 760 |
| <b>Specificity:</b>  | CD45R                                      |
| <b>Other names:</b>  | B220, LY-5                                 |
| <b>Format:</b>       | StarBright Violet 760                      |
| <b>Product Type:</b> | Monoclonal Antibody                        |
| <b>Clone:</b>        | RA3-6B2                                    |
| <b>Isotype:</b>      | IgG2a                                      |
| <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

Mouse

#### Species Cross Reactivity

Reacts with: Human, Cat

**N.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 Violet 760 - liquid

#### Max Ex/Em

| Fluorophore           | Excitation Max (nm) | Emission Max (nm) |
|-----------------------|---------------------|-------------------|
| StarBright Violet 760 | 403                 | 754               |

#### Preparation

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

#### Buffer Solution

Phosphate buffered saline

|                                |   |
|--------------------------------|---|
| <b>Preservative</b>            | 0.09% sodium azide (NaN <sub>3</sub> )  |
| <b>Stabilisers</b>             | 1% bovine serum albumin<br>0.1% Pluronic F68<br>0.1% PEG 3350<br>0.05% Tween 20   |
| <b>Immunogen</b>               | Murine leukemia-induced pre-B tumor cells (RAW112)  |
| <b>External Database Links</b> | <b>UniProt:</b><br><a href="#">P06800</a> <a href="#">Related reagents</a><br><br><b>Entrez Gene:</b><br><a href="#">19264</a> Ptprc <a href="#">Related reagents</a>   |
| <b>Synonyms</b>                | Ly-5  |
| <b>Fusion Partners</b>         | Spleen cells from immunized Lewis rats were fused with cells of the rat S194/5 XX0.BU-1 myeloma cell line   |
| <b>Specificity</b>             | <b>Rat anti Mouse CD45R antibody, clone RA3-6B2</b> recognizes murine CD45R, a form of the CD45 antigen expressed by B cells and lytically active subsets of NK cells and non-MHC restricted CTL's. Rat anti Mouse CD45R antibody, clone RA3-6B2 immunoprecipitates the high molecular weight form of CD45 (220 kDa).<br><br>Rat anti Mouse CD45R antibody, clone RA3-6B2 is suitable for plp fixed paraffin embedded tissues ( <a href="#">Whiteland et al. 1995</a> ).  |
| <b>Flow Cytometry</b>          | Use 5µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100µl. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.   |
| <b>References</b>              | <ol style="list-style-type: none"> <li>Holmes, K.L. <i>et al.</i> (1986) Analysis of neoplasms induced by Cas-Br-M MuLV tumor extracts. <a href="#">J Immunol. 137 (2): 679-88.</a></li> <li>Spangrude, G.J. <i>et al.</i> (1988) Purification and characterization of mouse hematopoietic stem cells. <a href="#">Science. 241: 58-62.</a></li> <li>Spangrude, G.J. <i>et al.</i> (1988) Two rare populations of mouse Thy-1lo bone marrow cells repopulate the thymus. <a href="#">J Exp Med. 167 (5): 1671-83.</a></li> <li>Whiteland, J.L. <i>et al.</i> (1995) Immunohistochemical detection of T-cell subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies. <a href="#">J Histochem Cytochem. 43 (3): 313-20.</a></li> <li>Hawke, S. <i>et al.</i> (1998) Long-term persistence of activated cytotoxic T lymphocytes after viral infection of the central nervous system. <a href="#">J Exp Med. 187: 1575-82.</a></li> <li>Rosmalen, J.G. <i>et al.</i> (2000) Subsets of macrophages and dendritic cells in nonobese diabetic mouse pancreatic inflammatory infiltrates: correlation with the development of diabetes. <a href="#">Lab Invest. 80 (1): 23-30.</a></li> <li>Stevenson, P.G. <i>et al.</i> (2002) Uncoupling of virus-induced inflammation and anti-viral immunity in the brain parenchyma. <a href="#">J Gen Virol. 83: 1735-43.</a></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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| <b>Storage</b>                       | Store at +4°C. DO NOT FREEZE.<br>This product should be stored undiluted.   |
| <b>Guarantee</b>                     | 12 months from date of despatch   |
| <b>Acknowledgements</b>              | This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts   |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #20471 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1258SBV760">https://www.bio-rad-antibodies.com/SDS/MCA1258SBV760</a><br>20471 |
| <b>Regulatory</b>                    | For research purposes only  |

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## Related Products

### Recommended Useful Reagents

[MOUSE SEROBLOCK FcR \(BUF041A\)](#)

[MOUSE SEROBLOCK FcR \(BUF041B\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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