

Datasheet: MCA1258SBB675

| Description: | RAT ANTI MOUSE CD45R:StarBright Blue 675 | | | |
|---------------|--|--|--|--|
| Specificity: | CD45R | | | |
| Other names: | B220, LY-5 | | | |
| Format: | StarBright Blue 675 | | | |
| Product Type: | Monoclonal Antibody | | | |
| Clone: | RA3-6B2 | | | |
| Isotype: | lgG2a | | | |
| Quantity: | 100 TESTS/0.5ml | | | |
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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 <u>www.bio-rad-antibodies.com/protocols</u> . | | | | | |
|-----------------------------|--|----------------|---------------|----------|--------------------|--|
| | <u></u> | Yes | No Not De | termined | 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 Blue 675 - liquid | | | | | |
| Max Ex/Em | Fluorophore | Excitation Max | (nm) Emission | Max (nm) | | |
| | StarBright Blue 675 | 476 | 6 | 75 | | |
| Preparation | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant | | | | | |
| Buffer Solution | Phosphate buffered sa | aline | | | | |

| Preservative Stabilisers | 0.09% sodium azide (NaN ₃) 1% bovine serum albumin 0.1% Pluronic F68 0.1% PEG 3350 0.05% Tween 20 |
|-----------------------------|--|
| Immunogen | Murine leukemia-induced pre-B tumor cells (RAW112) |
| External Database Links | UniProt: <u>P06800</u> <u>Related reagents</u> Entrez Gene: <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 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). Rat anti Mouse CD45R antibody, clone RA3-6B2 is suitable for plp fixed paraffin embedded tissues (<u>Whiteland <i>et al.</i>1995</u>). |
| Flow Cytometry | Use 5 μ I of the suggested working dilution to label 10 ⁶ cells in 100 μ I. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application. |
| References | Holmes, K.L. <i>et al.</i> (1986) Analysis of neoplasms induced by Cas-Br-M MuLV tumor extracts. J Immunol. 137 (2): 679-88. Spangrude, G.J. <i>et al.</i> (1988) Purification and characterization of mouse hematopoietic stem cells. Science. 241: 58-62. Spangrude, G.J. <i>et al.</i> (1988) Two rare populations of mouse Thy-1lo bone marrow cells repopulate the thymus. J Exp Med. 167 (5): 1671-83. 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. J <u>Histochem Cytochem. 43 (3): 313-20.</u> Hawke, S. <i>et al.</i> (1998) Long-term persistence of activated cytotoxic T lymphocytes after viral infection of the central nervous system. J Exp Med. 187: 1575-82. 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. Lab Invest. 80 (1): 23-30. Stevenson, P.G. <i>et al.</i> (2002) Uncoupling of virus-induced inflammation and anti-viral immunity in the brain parenchyma. J Gen Virol. 83: 1735-43. Perry, M.J. <i>et al.</i> (2000) Effects of high-dose estrogen on murine hematopoietic bone |

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| Storage | Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. |
| Guarantee | 12 months from date of despatch |
| Acknowledgements | This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts |
| Health And Safety Information | Material Safety Datasheet documentation #20471 available at: https://www.bio-rad-antibodies.com/SDS/MCA1258SBB675 20471 |
| Regulatory | For research purposes only |
| Related Produc | ts |

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 'M408747:221014'

Printed on 04 Apr 2024

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