

## Datasheet: MCA1258SBY605

<b>Description:</b>	RAT ANTI MOUSE CD45R:StarBright Yellow 605
<b>Specificity:</b>	CD45R
<b>Other names:</b>	B220, LY-5
<b>Format:</b>	StarBright Yellow 605
<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 Yellow 605 - liquid

#### Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
StarBright Yellow 605	572	606

#### 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 0.1% Pluronic F68 0.1% PEG 3350 0.05% Tween 20
<b>Immunogen</b>	Murine leukemia-induced pre-B tumor cells (RAW112)
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P06800</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <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).  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. 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/MCA1258SBY605">https://www.bio-rad-antibodies.com/SDS/MCA1258SBY605</a> 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

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