

## Datasheet: MCA1379SBV760

|                      |                                             |
|----------------------|---------------------------------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN CD24:StarBright Violet 760 |
| <b>Specificity:</b>  | CD24                                        |
| <b>Format:</b>       | StarBright Violet 760                       |
| <b>Product Type:</b> | Monoclonal Antibody                         |
| <b>Clone:</b>        | SN3                                         |
| <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 (1) | ▪   |    |                | 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.

**(1) Staining at lower temperatures generally requires longer incubation to reach antibody binding equilibrium, and this effect is more pronounced for StarBright Dyes due to their larger size. For optimum staining, Bio-Rad recommends incubating samples either overnight at 4°C or 1 hour at room temperature.**

|                          |                                                                                                                                                                                                                                                                                                                         |                     |                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| Target Species           | Human                                                                                                                                                                                                                                                                                                                   |                     |                   |
| Species Cross Reactivity | Reacts with: Chimpanzee<br><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 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 A from tissue culture                                                                                                                                                                                                                                       |                     |                   |

supernatant

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Preservative Stabilisers</b>       | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Approx. Protein Concentrations</b> | For information on the concentration of our StarBright Dye conjugated reagents please visit our <a href="#">FAQ</a> page.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>                      | Glycoproteins purified from human NALM-1 cell line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>External Database Links</b>        | <b>UniProt:</b><br><a href="#">P25063</a> <a href="#">Related reagents</a><br><br><b>Entrez Gene:</b><br><a href="#">100133941</a> CD24 <a href="#">Related reagents</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>                       | CD24A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Fusion Partners</b>                | Spleen cells from immunized BALB/c mice were fused with cells of a mouse myeloma cell line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Specificity</b>                    | <b>Mouse anti Human CD24 antibody, clone SN3</b> recognizes the human CD24 cell surface antigen, a heavily glycosylated molecule of ~35-45 kDa. CD24 is expressed by granulocytes and B lymphocytes, and by some activated T cells and T cell malignancies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Flow Cytometry</b>                 | Use 5µl of the suggested working dilution to label 0.5x10 <sup>6</sup> cells in 100µl. Best practices suggest a 5 min centrifugation at 6,000g prior to sample application.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>References</b>                     | <ol style="list-style-type: none"><li>1. Fukukawa, T. <i>et al.</i> (1986) New monoclonal antibodies SN3, SN3a, and SN3b directed to sialic acid of glycoprotein on human non-T leukemia cells. <a href="#">Exp Hematol. 14 (9): 850-5.</a></li><li>2. Ohyama, M. <i>et al.</i> (2006) Characterization and isolation of stem cell-enriched human hair follicle bulge cells. <a href="#">J Clin Invest. 116:249-60.</a></li><li>3. Kap, Y.S. <i>et al.</i> (2009) A monoclonal antibody selection for immunohistochemical examination of lymphoid tissues from non-human primates. <a href="#">J Histochem Cytochem. 57 (12): 1159-67.</a></li><li>4. Sallustio, F. <i>et al.</i> (2010) TLR2 plays a role in the activation of human resident renal stem/progenitor cells. <a href="#">FASEB J. 24 (2): 514-25.</a></li><li>5. Kanderová, V. <i>et al.</i> (2010) Aberrantly expressed CEACAM6 is involved in the signaling leading to apoptosis of acute lymphoblastic leukemia cells. <a href="#">Exp Hematol. 38: 653-660.e1.</a></li><li>6. Franz, C. <i>et al.</i> (2016) Extracellular vesicles in human follicular fluid do not promote coagulation. <a href="#">Reprod Biomed Online. 33 (5): 652-5.</a></li></ol> |

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|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>                       | This product is shipped at ambient temperature.<br>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:<br><a href="https://www.bio-rad-antibodies.com/SDS/MCA1379SBV760">https://www.bio-rad-antibodies.com/SDS/MCA1379SBV760</a> |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                              |

## Related Products

### Recommended Useful Reagents

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

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

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
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