# Datasheet: MCA1439SBB580

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| **Description:** | RAT ANTI MOUSE CD19:StarBright Blue 580 |
| **Specificity:** | CD19 |
| **Format:** | StarBright Blue 580 |
| **Product Type:** | Monoclonal Antibody |
| **Clone:** | 6D5 |
| **Isotype:** | IgG2a |
| **Quantity:** | 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.

| | 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

**Product Form**

Purified IgG conjugated to StarBright Blue 580 - liquid

**Max Ex/Em**

| Fluorophore | Excitation Max (nm) | Emission Max (nm) |
|---|---|---|
| StarBright Blue 580 | 475 | 582 |

**Preparation**

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

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% sodium azide ($NaN_3$)
1% bovine serum albumin
0.1% Pluronic F68
0.1% PEG 3350
0.05% Tween 20

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| **Immunogen** | Human K562 cell line transfected with murine CD19. |
| **External Database Links** | **UniProt:**<br>P25918 Related reagents<br><br>**Entrez Gene:**<br>12478 Cd19 Related reagents |
| **Fusion Partners** | Spleen cells from immunised rats were fused with cells of the P3X63.Ag8.653 myeloma cell line. |
| **Specificity** | **Rat anti Mouse CD19 antibody, clone 6D5** recognizes the murine CD19 cell surface antigen, a ~95 kDa glycoprotein expressed by B lymphocytes. Rat anti Mouse CD19 antibody, clone 6D5 recognizes the same, or a closely related epitope as clone Rat anti Mouse CD19 antibody, clone ID3 in cross-competition assays. |
| **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**


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| **Storage** | Store at +4°C.<br>DO NOT FREEZE.<br>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:<br>https://www.bio-rad-antibodies.com/SDS/MCA1439SBB580<br>20471 |
| **Regulatory** | For research purposes only |

## Related Products

### Recommended Useful Reagents

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

**North & South America** Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com
**Worldwide** Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com
**Europe** Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 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
'M409711:221020'

**Printed on 10 May 2024**