

Datasheet: MCA500SBB580

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| Description: | RAT ANTI MOUSE CD3:StarBright Blue 580 |
| Specificity: | CD3 |
| Format: | StarBright Blue 580 |
| Product Type: | Monoclonal Antibody |
| Clone: | KT3 |
| 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.

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|------------------------|---|----------------------------|--------------------------|
| 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 | 0.09% Sodium Azide (NaN ₃) | | |
| Stabilisers | 1% Bovine Serum Albumin | | |
| | 0.1% Pluronic F68 | | |
| | 0.1% PEG 3350 | | |
| | 0.05% Tween 20 | | |

Immunogen CBAT6 thymocytes

External Database

Links

UniProt:

[P22646](#) [Related reagents](#)
[P24161](#) [Related reagents](#)
[P11942](#) [Related reagents](#)
[P29020](#) [Related reagents](#)
[P04235](#) [Related reagents](#)

Entrez Gene:

[12501](#) Cd3e [Related reagents](#)
[12503](#) Cd247 [Related reagents](#)
[12500](#) Cd3d [Related reagents](#)
[12502](#) Cd3g [Related reagents](#)
[12503](#) Cd247 [Related reagents](#)

Synonyms

Cd3z, T3d, Tcrz

Fusion Partners

Spleen cells from immunized SD rats were fused with cells of the NS0 mouse myeloma cell line.

Specificity

Rat anti Mouse CD3 antibody, clone KT3 recognizes the mouse CD3 antigen, expressed by mature T cells. Rat anti Mouse CD3 antibody, clone KT3 may be used to trigger proliferation and cytotoxicity of CD3 positive cells ([Tomonari 1988](#)).

NB. For optimal staining incubations should be performed at room temperature.

Flow Cytometry

Use 5ul of the suggested working dilution to label 10^6 cells in 100ul. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.

References

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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/MCA500SBB580 20471 |
| Regulatory | For research purposes only |

Related Products

Recommended Useful Reagents

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

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

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|----------------------------------|---|------------------|---|---------------|---|
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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M407352:221007'

Printed on 08 Apr 2024