

Datasheet: MCA500A700T

Description:	RAT ANTI MOUSE CD3:Alexa Fluor® 700
Specificity:	CD3
Format:	ALEXA FLUOR® 700
Product Type:	Monoclonal Antibody
Clone:	KT3
Isotype:	IgG2a
Quantity:	25 TESTS/0.25ml

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 antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Mouse						
Product Form	Purified IgG conjugated to Alexa Fluor® 700 - liquid						
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>Alexa Fluor®700</td> <td>702</td> <td>723</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	Alexa Fluor®700	702	723
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
Alexa Fluor®700	702	723					
Buffer Solution	Phosphate buffered saline						
Preservative	0.09% Sodium Azide						
Stabilisers	1% Bovine Serum Albumin						
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml						
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
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RRID	AB_1101835
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Fusion Partners	Spleen cells from immunised SD rats were fused with cells of the NS0 mouse myeloma cell line
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Specificity	<p>Rat anti Mouse CD3 antibody, clone KT3 recognizes the mouse CD3 antigen, which is expressed by mature T cells. Rat anti Mouse CD3 antibody, clone KT3 may be used to trigger proliferation and cytotoxicity of CD3 positive cells.</p> <p>NB. For optimal staining incubations should be performed at room temperature.</p>
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Flow Cytometry	<p>Use 10ul of the suggested working dilution to label 10⁶ cells or 100ul whole blood.</p> <p>The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR (BUF041A/B).</p>
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Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

18 months from date of despatch.

Acknowledgements

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Health And Safety Information

Material Safety Datasheet documentation #10041 available at: 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:Alexa Fluor® 700 \(MCA1212A700\)](#)

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