

Datasheet: MCA500APC

BATCH NUMBER 152884

Description:	RAT ANTI MOUSE CD3:APC
Specificity:	CD3
Format:	APC
Product Type:	Monoclonal Antibody
Clone:	KT3
Isotype:	IgG2a
Quantity:	100 TESTS

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 - 1/5

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
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Product Form	Purified IgG conjugated to Allophycocyanin (APC) - lyophilised
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Reconstitution	Reconstitute with 1.0 ml distilled water
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Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	APC	650	661

Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
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Buffer Solution	Phosphate buffered saline
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Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin
	5% Sucrose

Immunogen	CBAT6 thymocytes
External Database Links	<p>UniProt:</p> <p>P22646 Related reagents</p> <p>P24161 Related reagents</p> <p>P11942 Related reagents</p> <p>P29020 Related reagents</p> <p>P04235 Related reagents</p> <p>Entrez Gene:</p> <p>12501 Cd3e Related reagents</p> <p>12503 Cd247 Related reagents</p> <p>12500 Cd3d Related reagents</p> <p>12502 Cd3g Related reagents</p> <p>12503 Cd247 Related reagents</p>
Synonyms	Cd3z, T3d, Tcrz
RRID	AB_324707
Fusion Partners	Spleen cells from immunized SD rats were fused with cells of the NS0 mouse myeloma cell line.
Specificity	<p>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).</p> <p>NB. For optimal staining incubations should be performed at room temperature.</p>
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

Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #20487 available at: <https://www.bio-rad-antibodies.com/SDS/MCA500APC>
20487

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

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

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

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