

Datasheet: MCA500GT

Description:	RAT ANTI MOUSE CD3
Specificity:	CD3
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	KT3
Isotype:	IgG2a
Quantity:	25 µg

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	■			1/100
Immunohistology - Frozen (1)	■			
Immunohistology - Paraffin		■		
ELISA			■	
Immunoprecipitation			■	
Western Blotting			■	

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.

(1)The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

Target Species	Mouse
Product Form	Purified IgG - liquid
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
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

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 immunised 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, 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.

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

Flow Cytometry

Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

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Storage

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

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

Storage in frost-free freezers is not recommended.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR73...) [RPE](#)

Rabbit Anti Rat IgG (STAR21...) [HRP](#)

Rabbit Anti Rat IgG (STAR17...) [FITC](#)

Rabbit Anti Rat IgG (STAR20...) [RPE](#)

Goat Anti Rat IgG (STAR131...) [Alk. Phos.](#)

Goat Anti Rat IgG (STAR69...) [FITC](#)

Donkey Anti Rat IgG (H/L) (643001...) [HRP](#)

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL \(MCA1212\)](#)

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