Datasheet: MCA500G

Product Details

Description: RAT ANTI MOUSE CD3
Specificity: CD3
Format: Purified
Product Type: Monoclonal Antibody
Clone: KT3
Isotype: IgG2a
Quantity: 0.25 mg

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>-</td>
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<td></td>
<td>1/100</td>
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<tr>
<td>Immunohistology - Frozen (1)</td>
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<td>Western Blotting</td>
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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
Immunogen

CBAT6 thymocytes

External Database Links

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<thead>
<tr>
<th>UniProt:</th>
<th>Related reagents</th>
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<tr>
<td>P22646</td>
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Entrez Gene:

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<td>12503</td>
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<td>Cd3g</td>
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<tr>
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</table>

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 $10^6$ cells in 100ul.

References


**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:


**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
Recommended Negative Controls

RAT IgG2a NEGATIVE CONTROL (MCA1212)