Product Details

Description: MOUSE ANTI DOG CD3
Specificity: CD3
Format: Purified
Product Type: Monoclonal Antibody
Clone: CA17.2A12
Isotype: IgG1
Quantity: 0.1 mg

Applications

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</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.

Target Species: Dog

Product Form: Purified IgG - liquid

Preparation: Purified IgG prepared by affinity chromatography on Protein G

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.09% Sodium Azide

Approx. Protein: IgG concentration 1.0 mg/ml
## Specificity

**Mouse anti Dog CD3 antibody, clone CA17.2A12** recognizes the canine CD3 cell surface antigen, expressed by thymocytes and mature T lymphocytes. CD3 is engaged in the surface expression of the T-cell antigen receptor (TCR) and the signal transduction pathway resulting from MHC ligand binding to the TCR. CD3 is made up of a number of invariant subchains of the immunoglobulin superfamily.

Mouse anti Dog CD3 clone CA17.2A12 is a valuable flow cytometric and immunohistologic tool for canine lymphoma detection of T-cell origin ([Miniscalco et al. 2003](#)).

## Flow Cytometry

Use 10µl of the suggested working dilution to label $10^6$ cells or 100µl whole blood.

## References

9. Huang, Y.C. et al. (2008) CD5-low expression lymphocytes in canine peripheral blood...
28. Mie, K. et al. (2016) Change in peripheral blood lymphocyte count in dogs following


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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.

**Guarantee**

12 months from date of despatch

**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1774GA

10040

**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Rabbit Anti Mouse IgG (STAR12...) RPE
- Goat Anti Mouse IgG IgA IgM (STAR87...) HRP
- Goat Anti Mouse IgG (STAR76...) RPE
- Rabbit Anti Mouse IgG (STAR13...) HRP
- Goat Anti Mouse IgG (STAR70...) RPE
- Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800.
Rabbit Anti Mouse IgG (STAR9...) FITC, HRP
Goat Anti Mouse IgG (STAR77...) FITC
Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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

'M365707:200529'

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