Datasheet: MCA1781PE

Description: MOUSE ANTI CANINE CD21:RPE
Specificity: CD21
Format: RPE
Product Type: Monoclonal Antibody
Clone: CA2.1D6
Isotype: IgG1
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.

<table>
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<tr>
<th>Suggested Dilution</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
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<tbody>
<tr>
<td>Flow Cytometry (1)</td>
<td>Neat</td>
<td></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) N.B. MCA1781PE should NOT be used with MCA1774F (mouse anti canine CD3), in dual colour flow cytometry, due to non-specific interactions between the two reagents.

Target Species

Dog

Species Cross Reactivity

Reacts with: Horse, Cat, Raccoon

N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

Reconstitution

Reconstitute with 1 ml distilled water

Max Ex/Em

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<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</td>
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Preparation

Purified IgG prepared by affinity chromatography on Protein G

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide

1% Bovine Serum Albumin

Specificity

Mouse anti Canine CD21 antibody, clone CA2.1D6 recognizes canine CD21, also known as Complement receptor type 2. CD21 is a cell surface antigen expressed by canine B lymphocytes.
The antigen recognised may be the canine homologue of human CD21, but this has not been fully confirmed.

Mouse anti Canine CD21 antibody, clone CA2.1D6 also recognizes the CD21 antigen in Felids. Expression in cats is analogous to that seen in dogs with strong expression on lymphocytes, in a manner mutually exclusive with expression of CD4 or CD8. Mouse anti Canine CD21 antibody, clone CA2.1D6 immunoprecipitates a ~145 kDa protein from feline lymphocytes, similar to the protein immunoprecipitated by the antibody from canine lymphocytes (Dean et al. 1996).

**Flow Cytometry**

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

**References**


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.

Shelf Life
12 months from date of reconstitution.

Health And Safety
Information

Regulatory
For research purposes only
Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)

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