Datasheet: MCA1347PE

Description: MOUSE ANTI CAT CD8 ALPHA/BETA:RPE

Specificity: CD8 ALPHA/BETA

Format: RPE

Product Type: Monoclonal Antibody

Clone: vpg9

Isotype: IgG1

Quantity: 100 TESTS

Product Details

RRID: AB_2229071

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>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</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.

Target Species: Cat

Species Cross Reactivity: Does not react with: Human

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

Reconstitution: Reconstitute with 1 ml distilled water

Max Ex/Em

<table>
<thead>
<tr>
<th>Max Ex/Em</th>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tbody>
<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</td>
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</table>

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.09% Sodium Azide

1% Bovine Serum Albumin

Immunogen: Feline thymocytes.

External Database Links

UniProt: P41688 Related reagents
Entrez Gene:  
493799 CD8A  
493948 CD8B

Synonyms
CD8B1

Fusion Partners
Spleen cells from immunized BALB/c were fused with cells of the NS0 mouse myeloma cell line.

Specificity
Mouse anti Cat CD8 alpha/beta antibody, clone vpg9 recognizes the feline homolog of human CD8. Clone vpg 9 specifically recognizes an epitope associated with the alpha/beta complex of the CD8 heterodimer (Shimojima et al. 1998).

Flow Cytometry
Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

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.

### Guarantee
12 months from date of reconstitution.

### Health And Safety Information
Material Safety Datasheet documentation #10075 available at:

### Regulatory
For research purposes only

### Related Products
**Recommended Negative Controls**
- MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)
- MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA1209PE)