Datasheet: MCA1346F

**Description:** MOUSE ANTI CAT CD4:FITC

**Specificity:** CD4

**Format:** FITC

**Product Type:** Monoclonal Antibody

**Clone:** vpg34

**Isotype:** IgG1

**Quantity:** 0.1 mg

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**RRID** AB_322909

**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](http://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>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>Neat - 1/10</td>
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<td></td>
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</table>

Where this product 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 product for use in their own system using appropriate negative/positive controls.

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**Target Species**

Cat

**Product Form**

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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</table>

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

- 0.09% Sodium Azide
- 1% Bovine Serum Albumin

**Approx. Protein Concentrations**

IgG concentration 0.1mg/ml

**Immunogen**

Immuoaffinity purified feline CD4.

**Fusion Partners**

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

**Specificity**

Mouse anti Cat CD4 antibody, clone vpg34 recognizes the feline homolog of the human CD4 antigen. CD4 is not expressed on feline monocytes.
Flow Cytometry

Use 10μl of the suggested working dilution to label 10^6 lymphocytes in 100μl.

References

5. Freer, G. et al. (2008) Immunotherapy with internally inactivated virus loaded dendritic cells boosts cellular immunity but does not affect feline immunodeficiency virus infection course. Retrovirology. 5: 33.

**Storage**

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

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

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

**Guarantee**

18 months from date of despatch.

**Health And Safety Information**

Material Safety Datasheet documentation #10041 available at:

**Regulatory**

For research purposes only

**Related Products**

**Recommended Negative Controls**

**MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA1209F)**
**MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)**

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