Datasheet: MCA1347GA

**Product Details**

**Description:** MOUSE ANTI CAT CD8 ALPHA/BETA

**Specificity:** CD8 ALPHA/BETA

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** vpg9

**Isotype:** IgG1

**Quantity:** 0.1 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](http://www.bio-rad-antibodies.com/protocols).

<table>
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<tr>
<th>Application</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>1/25 - 1/200</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</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:** Cat

**Species Cross Reactivity:** Does not react with: Human

**Product Form:** Purified IgG - liquid

**Preparation:** Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

**Buffer Solution:** Phosphate buffered saline

**Preservative Stabilisers:** 0.09% Sodium Azide (NaN₃)
**Approx. Protein Concentrations**  
IgG concentration 1.0 mg/ml

**Immunogen**  
Feline thymocytes.

**External Database Links**  

- **UniProt**:  
P41688 Related reagents  
P79336 Related reagents

- **Entrez Gene**:  
493799 CD8A Related reagents  
493948 CD8B Related reagents

**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 lymphocytes in 100ul

**References**

line (S87) as non-MHC-restricted cytotoxic T-cell line and assessment of its genetic instability. *Vet Immunol Immunopathol. 177: 24-34.*


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. 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


Regulatory

For research purposes only

Related Products

**Recommended Secondary Antibodies**

Goat Anti Mouse IgG IgA IgM (STAR87...) **Alk. Phos., HRP**

Goat Anti Mouse IgG (STAR77...) **HRP**

Rabbit Anti Mouse IgG (STAR12...) **RPE**

Rabbit Anti Mouse IgG (STAR8...) **DyLight®800**

Rabbit Anti Mouse IgG (STAR13...) **HRP**

Goat Anti Mouse IgG (STAR76...) **RPE**

Goat Anti Mouse IgG (STAR70...) **FITC**

Goat Anti Mouse IgG (Fc) (STAR120...) **FITC, HRP**

Rabbit Anti Mouse IgG (STAR9...) **FITC**

Goat Anti Mouse IgG (H/L) (STAR117...) **Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP**

**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL (MCA1209)

MOUSE IgG1 NEGATIVE CONTROL (MCA928)
From March 15, 2021, we will no longer supply printed datasheets with our products. Look out for updates on how to access your digital version at bio-rad-antibodies.com.

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