Datasheet: MCA2398
BATCH NUMBER 166387

Product Details
Description: RAT ANTI MOUSE MHC CLASS I H-2b/d/p/q/w16
Specificity: MHC CLASS I H-2b/d/p/q/w16
Format: Purified
Product Type: Monoclonal Antibody
Clone: ER-HR52
Isotype: IgG2a
Quantity: 0.25 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.

<table>
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<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>1/50 - 1/200</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>Immunofluorescence</td>
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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.

Target Species Mouse

Product Form Purified IgG - liquid

Preparation Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% sodium azide (NaN₃)
Carrier Free: Yes

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Immunogen: Adherent FI (CBAXBL) bone marrow stromal cells.

RRID: AB_872030

Fusion Partners: Cells from immunized rats were fused with cells of the mouse P3-X63-Ag8.563 myeloma cell line.

Specificity: Rat anti Mouse MHC Class I H-2b/D/P/Q/w16 antibody, clone ER-HR52 recognizes a polymorphic epitope present on murine MHC class I molecules, which are expressed at varying levels on the majority of nucleated cells.

Clone ER-HR52 specifically recognizes mouse strains with the haplotypes H-2b, w16 and H-2d, p, q. Mouse strains with the haplotypes H-2f, r, s, w17, w23, w27 show weak reactivity with this antibody.

The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In mice, this complex is referred to as the histocompatibility 2 (H-2) region.

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

References:

Storage: This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Related Products

**Recommended Secondary Antibodies**

Goat Anti Rat IgG (STAR73...)  
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)  
Rabbit Anti Rat IgG (STAR21...)  
Rabbit Anti Rat IgG (STAR16...)  
Goat Anti Rat IgG (STAR131...)  
Rabbit Anti Rat IgG (STAR17...)  
Goat Anti Rat IgG (STAR72...)  
Goat Anti Rat IgG (STAR69...)  

**Recommended Negative Controls**

RAT IgG2a NEGATIVE CONTROL (MCA1212)

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