

## Datasheet: MCA1580R

<b>Description:</b>	HAMSTER ANTI MOUSE CD69
<b>Specificity:</b>	CD69
<b>Other names:</b>	AIM
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	H1.2F3
<b>Isotype:</b>	IgG
<b>Quantity:</b>	0.2 mg

### 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/2 - 1/20
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

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.

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified IgG - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<0.1% sodium azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.2 mg/ml
<b>Immunogen</b>	Murine dendritic epidermal Y245 cell line.

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P37217</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">12515</a> Cd69 <a href="#">Related reagents</a>
<b>RRID</b>	AB_2260066
<b>Specificity</b>	<b>Hamster anti Mouse CD69 antibody, clone H1.2F3</b> recognizes the murine CD69 cell surface antigen, an ~85 kDa dimeric glycoprotein. CD69 is expressed rapidly on the surface of T cells, B cells and NK cells following activation.
<b>Flow Cytometry</b>	Use 10µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100µl.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Iwashiro, M. <i>et al.</i> (2001) Immunosuppression by CD4+ regulatory T cells induced by chronic retroviral infection. <a href="#">Proc Natl Acad Sci U S A. 98 (16): 9226-30.</a></li> <li>2. Karrer, U. <i>et al.</i> (2003) Memory inflation: continuous accumulation of antiviral CD8+ T cells over time. <a href="#">J Immunol. 170 (4): 2022-9.</a></li> <li>3. Marshall-Clarke, S. <i>et al.</i> (2003) A differential requirement for phosphoinositide 3-kinase reveals two pathways for inducible upregulation of major histocompatibility complex class II molecules and CD86 expression by murine B lymphocytes. <a href="#">Immunology. 109 (1): 102-8.</a></li> <li>4. Chalifour, A. <i>et al.</i> (2004) Direct bacterial protein PAMP recognition by human NK cells involves TLRs and triggers alpha-defensin production. <a href="#">Blood. 104 (6): 1778-83.</a></li> <li>5. Cohen-sfady, M. <i>et al.</i> (2005) Heat shock protein 60 activates B cells via the TLR4-MyD88 pathway. <a href="#">J Immunol. 175 (6): 3594-602.</a></li> <li>6. Hickman, H.D. <i>et al.</i> (2008) Direct priming of antiviral CD8+ T cells in the peripheral interfollicular region of lymph nodes. <a href="#">Nat Immunol. 9 (2): 155-65.</a></li> <li>7. Kvakana, H. <i>et al.</i> (2009) Regulatory T cells ameliorate angiotensin II-induced cardiac damage. <a href="#">Circulation. 119 (22): 2904-12.</a></li> </ol>
<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1580R">https://www.bio-rad-antibodies.com/SDS/MCA1580R</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Secondary Antibodies

Goat Anti Hamster IgG (STAR104...) [DyLight®550](#), [DyLight®650](#), [DyLight®800](#),  
[FITC](#)

Goat Anti Hamster IgG (STAR79...) [Biotin](#), [FITC](#), [HRP](#)

## Recommended Negative Controls

[HAMSTER \(ARMENIAN\) IgG NEGATIVE CONTROL \(MCA2356\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

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**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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