

Datasheet: MCA1580R

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

Product Details

RRID AB_2260066

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.

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

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 Mouse

Product Form Purified IgG - liquid

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% Sodium Azide

Approx. Protein Concentrations IgG concentration 0.2 mg/ml

Immunogen Murine dendritic epidermal Y245 cell line.

External Database Links **UniProt:**

Entrez Gene:

[12515](#) Cd69 [Related reagents](#)

Specificity **Hamster anti Mouse CD69 antibody, clone H1.2F3** 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.

Flow Cytometry Use 10ul of the suggested working dilution to label 10⁶cells in 100ul.

References

1. Yokoyama, W.M. *et al.* (1988) Characterization of a cell surface-expressed disulfide-linked dimer involved in murine T cell activation. [J Immunol. 141 \(2\): 369-76.](#)
2. Hickman, H.D. *et al.* (2008) Direct priming of antiviral CD8+ T cells in the peripheral interfollicular region of lymph nodes. [Nat Immunol. 9 \(2\): 155-65.](#)
3. Chalifour, A. *et al.* (2004) Direct bacterial protein PAMP recognition by human NK cells involves TLRs and triggers alpha-defensin production. [Blood. 104 \(6\): 1778-83.](#)
4. Cohen-sfady, M. *et al.* (2005) Heat shock protein 60 activates B cells via the TLR4-MyD88 pathway. [J Immunol. 175 \(6\): 3594-602.](#)
5. Iwashiro, M. *et al.* (2001) Immunosuppression by CD4+ regulatory T cells induced by chronic retroviral infection. [Proc Natl Acad Sci U S A. 98 \(16\): 9226-30.](#)
6. Karrer, U. *et al.* (2003) Memory inflation: continuous accumulation of antiviral CD8+ T cells over time. [J Immunol. 170 \(4\): 2022-9.](#)
7. Kvakan, H. *et al.* (2009) Regulatory T cells ameliorate angiotensin II-induced cardiac damage. [Circulation. 119 \(22\): 2904-12.](#)
8. Marshall-clarke, S. *et al.* (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. [Immunology. 109 \(1\): 102-8.](#)
9. Zajac, A.J. *et al.* (1998) Viral immune evasion due to persistence of activated T cells without effector function. [J Exp Med. 188 \(12\): 2205-13.](#)
10. Everitt, A.R. *et al.* (2012) IFITM3 restricts the morbidity and mortality associated with influenza. [Nature. 484: 519-23.](#)

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 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

Recommended Negative Controls

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

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