

## Datasheet: MCA2674GA

|                      |                         |
|----------------------|-------------------------|
| <b>Description:</b>  | HAMSTER ANTI HUMAN EMR1 |
| <b>Specificity:</b>  | EMR1                    |
| <b>Format:</b>       | Purified                |
| <b>Product Type:</b> | Monoclonal Antibody     |
| <b>Clone:</b>        | A10                     |
| <b>Isotype:</b>      | IgG                     |
| <b>Quantity:</b>     | 0.1 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             | ■   |    |                |                    |
| 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>                 | Human                                                         |
| <b>Product Form</b>                   | Purified IgG - liquid                                         |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein G |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                     |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )                        |
| <b>Carrier Free</b>                   | Yes                                                           |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0mg/ml                                    |
| <b>Immunogen</b>                      | Fibroblast cell line ARH102 expressing CD97-EMR1 (EGF1-6)     |
| <b>External Database</b>              | <b>UniProt:</b>                                               |

**Links**[Q14246](#)   [Related reagents](#)**Entrez Gene:**[2015](#)   EMR1   [Related reagents](#)**Synonyms**

TM7LN3

**Fusion Partners**

Spleen cells from immunised Armenian hamster were fused with cells of the mouse SP2/0 myeloma cell line.

**Specificity**

**Hamster anti Human EMR1 antibody, clone A10** recognizes human EMR1 (EGF-like module containing, mucin-like, hormone receptor-like 1). EMR1 is a seven-span transmembrane protein which is a member of the EGF-TM7 family of receptors. EMR1 is the human ortholog of murine F4/80 but unlike F4/80, the expression of EMR1 in humans is restricted to eosinophils and is not expressed on macrophage populations. The detailed structure and function of EMR1 is still unknown.

**Flow Cytometry**

Use 10ul of the suggested working dilution to label  $1 \times 10^6$  cells in 100ul.

**References**

1. Hamann, J. *et al.* (2007) EMR1, the human homolog of F4/80, is an eosinophil-specific receptor. [Eur J Immunol. 37 \(10\): 2797-802.](#)
2. van Eijk, M. *et al.* (2010) Differential expression of the EGF-TM7 family members CD97 and EMR2 in lipid-laden macrophages in atherosclerosis, multiple sclerosis and Gaucher disease. [Immunol Lett. 129 \(2\): 64-71.](#)
3. Pothoven KL *et al.* (2016) Neutrophils are a major source of the epithelial barrier disrupting cytokine oncostatin M in patients with mucosal airways disease. [J Allergy Clin Immunol. pii: S0091-6749\(16\)31462-2.](#)

**Storage**

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life**

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 (STAR104...) [DyLight®549](#), [DyLight®649](#), [DyLight®800](#),  
[FITC](#)

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

### Recommended Negative Controls

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

|                                  |                                                                                                                                         |                  |                                                                                                                                                                     |               |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a><br>'M315831:180503' | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

**Printed on 05 May 2018**

---

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)