

Datasheet: MCA2674

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|----------------------|-------------------------|
| Description: | HAMSTER ANTI HUMAN EMR1 |
| Specificity: | EMR1 |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | A10 |
| Isotype: | IgG |
| Quantity: | 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.

| | 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.

| | |
|---------------------------------------|---|
| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein G |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Carrier Free | Yes |
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml |
| Immunogen | Fibroblast cell line ARH102 expressing CD97-EMR1 (EGF1-6) |
| External Database | UniProt: |

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 CytometryUse 10ul of the suggested working dilution to label 1×10^6 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 InformationMaterial 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 \(MCA2356\)](#)

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