

## Datasheet: MCA1805T

|                      |                      |
|----------------------|----------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN CD9 |
| <b>Specificity:</b>  | CD9                  |
| <b>Other names:</b>  | MRP-1                |
| <b>Format:</b>       | S/N                  |
| <b>Product Type:</b> | Monoclonal Antibody  |
| <b>Clone:</b>        | 72F6                 |
| <b>Isotype:</b>      | IgG1                 |
| <b>Quantity:</b>     | 0.1 ml               |

### 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       | ▪   |    |                | 1/75 - 1/150       |
| Immunohistology - Paraffin (1) | ▪   |    |                | 1/20 - 1/40        |

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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.**

**Tris/EDTA buffer pH 8.0 is recommended for this purpose.**

|                                 |                                     |
|---------------------------------|-------------------------------------|
| <b>Target Species</b>           | Human                               |
| <b>Product Form</b>             | Tissue Culture Supernatant - liquid |
| <b>Preservative Stabilisers</b> | 15mM Sodium Azide                   |
| <b>Immunogen</b>                | Recombinant human CD9.              |
| <b>External Database</b>        | <b>UniProt:</b>                     |

**Links**

[P21926](#)   [Related reagents](#)

**Entrez Gene:**

[928](#)   CD9   [Related reagents](#)

**Synonyms**

MIC3, TSPAN29

**RRID**

AB\_323828

**Fusion Partners**

Spleen cells from immunised mice were fused with cells of the mouse p3-NS1-Ag4-1 myeloma cell line.

**Specificity**

**Mouse anti Human CD9 antibody, clone 72F6** recognizes the human CD9 cell surface antigen, also known as 5H9 antigen, MIC3, MRP-1, Tetraspanin-29 or p24. CD9 is a ~24-27 kDa multi-pass transmembrane glycoprotein, a member of the tetraspanin family, expressed by B cells, monocytes, platelets and by neurons and glial cells.

In melanoma and breast cancer CD9 antigen expression may be linked to a favourable prognosis ([Si et al. 1993](#)).

**Histology Positive Control Tissue**

Human tonsil

**References**

1. Gullberg, E. *et al.* (2006) Identification of cell adhesion molecules in the human follicle-associated epithelium that improve nanoparticle uptake into the Peyer's patches. [J Pharmacol Exp Ther. 319: 632-9.](#)
2. Kischel, P. *et al.* (2012) Overexpression of CD9 in Human Breast Cancer Cells Promotes the Development of Bone Metastases. [Anticancer Res. 32: 5211-20.](#)
3. Miyake, M. *et al.* (2016) The Pro-inflammatory Cytokine Interleukin-6 Regulates Nanoparticle Transport Across Model Follicle-Associated Epithelium Cells. [J Pharm Sci. 105 \(7\): 2099-104.](#)

**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.

**Guarantee**

12 months from date of despatch.

**Health And Safety Information**

Material Safety Datasheet documentation #10055 available at:  
10055: <https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf>

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
 Goat Anti Mouse IgG (STAR77...) [HRP](#)  
 Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
 Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)  
 Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
 Goat Anti Mouse IgG (STAR76...) [RPE](#)  
 Goat Anti Mouse IgG (STAR70...) [FITC](#)  
 Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
 Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
 Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),  
[DyLight®800](#), [FITC](#), [HRP](#)

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
| <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> | <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> |
|----------------------------------|---|------------------|---|---------------|---|

From March 15, 2021, we will no longer supply printed datasheets with our products.  
 Look out for updates on how to access your digital version at [bio-rad-antibodies.com](http://bio-rad-antibodies.com)

'M348211:190218'

Printed on 10 Feb 2021

---

© 2021 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)