

## Datasheet: MCA732R

|                      |                                |
|----------------------|--------------------------------|
| <b>Description:</b>  | MOUSE ANTI RAT RETICULUM CELLS |
| <b>Specificity:</b>  | RETICULUM CELLS                |
| <b>Format:</b>       | Purified                       |
| <b>Product Type:</b> | Monoclonal Antibody            |
| <b>Clone:</b>        | ED10                           |
| <b>Isotype:</b>      | IgG1                           |
| <b>Quantity:</b>     | 0.25 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 (1) | ▪   |    |                |                    |
| 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.

**(1)The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.**

|                        |   |
|------------------------|---|
| <b>Target Species</b>  | Rat   |
| <b>Product Form</b>    | Purified IgG - liquid   |
| <b>Preparation</b>     | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant |
| <b>Buffer Solution</b> | Phosphate buffered saline   |
| <b>Preservative</b>    | 0.09% Sodium Azide (NaN <sub>3</sub> )  |

## Stabilisers

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**Carrier Free** Yes

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**Approx. Protein Concentrations** IgG concentration 1.0mg/ml

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**Immunogen** Rat spleen cell homogenate.

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**RRID** AB\_11152770

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**Fusion Partners** Spleen cells from immunized BALB/c mice were fused with cells of the mouse SP2/0 Ag14 myeloma cell line.

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**Specificity** **Mouse anti Rat reticulum cells antibody, clone ED10** recognizes reticular elements in the T cell areas of spleen, lymph nodes, Peyers patches, bronchus and gut associated lymphoid tissues (BALT and GALT). In the thymus a reticular pattern is observed in capsule and medulla (perivascular). Non-lymphoid organs: in liver, lung and small intestine, some ED10 positive reticular cells are found. No reaction is observed in skin, kidney, brain, pancreas and heart.

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**References**

1. Van den Berg, T.K. *et al.* (1989) The heterogeneity of the reticulum of rat peripheral lymphoid organs identified by monoclonal antibodies. [Eur J Immunol. 19 \(9\): 1747-56.](#)
2. Armstrong, R.J. *et al.* (2001) Porcine neural xenografts in the immunocompetent rat: immune response following grafting of expanded neural precursor cells. [Neuroscience. 106 \(1\): 201-16.](#)
3. Soesatyo, M. (1992) Ontogeny of reticulum cells in the rat intestine and their possible role in the development of the lymphoid microenvironment. [Reg Immunol. 14: 46-52.](#)
4. van Poppel, M.N. *et al.* (1993) Reticulum cells in the ontogeny of nasal-associated lymphoid tissue (NALT) in the rat. [Cell Tissue Res. 273: 577-81.](#)

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**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.

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**Guarantee** 12 months from date of despatch

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

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**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...)        | <a href="#">HRP</a>  |
| Rabbit Anti Mouse IgG (STAR12...)      | <a href="#">RPE</a>  |
| Rabbit Anti Mouse IgG (STAR8...)       | <a href="#">DyLight®800</a>  |
| Rabbit Anti Mouse IgG (STAR13...)      | <a href="#">HRP</a>  |
| Goat Anti Mouse IgG (STAR76...)        | <a href="#">RPE</a>  |
| Goat Anti Mouse IgG (STAR70...)        | <a href="#">FITC</a>   |
| Goat Anti Mouse IgG (Fc) (STAR120...)  | <a href="#">FITC</a> , <a href="#">HRP</a>   |
| Rabbit Anti Mouse IgG (STAR9...)       | <a href="#">FITC</a>   |
| Goat Anti Mouse IgG (H/L) (STAR117...) | <a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®680</a> ,<br><a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a> |

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA1209\)](#)

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

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)  
'M368852:200529'

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