

## Datasheet: MCA733R

<b>Description:</b>	MOUSE ANTI RAT RETICULUM CELLS
<b>Specificity:</b>	RETICULUM CELLS
<b>Other names:</b>	COMPLEMENT FACTOR 3
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	ED11
<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)	▪			1/100 - 1/300
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.

**(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>	Antibody purified from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Rat spleen cell homogenate.
<b>RRID</b>	AB_323428
<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mice were fused with the mouse SP2/0.Ag14 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Rat reticulum cells antibody, clone ED11</b> recognizes reticular elements in the T cell areas and B cell follicles of spleen, lymph nodes, Peyer's patches, bronchus and gut associated lymphoid tissues (BALT and GALT). In the thymus a reticular pattern is observed throughout the cortex capsule, the medulla is negative. In non-lymphoid organs positivity is seen only in reticular elements of the small intestine. No staining of liver, lung, skin, kidney, brain, pancreas or heart is seen.</p> <p>Mouse anti Rat reticulum cells antibody, clone ED11 recognizes complement factor C3. <i>In vivo</i> Mouse anti Rat reticulum cells antibody, clone ED11 blocks immune complex trapping on follicular dendritic cells (<a href="#">Van den Berg <i>et al.</i> 1992</a>).</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Van den Berg, T.K. <i>et al.</i> (1992) Selective inhibition of immune complex trapping by follicular dendritic cells with monoclonal antibodies against rat C3. <a href="#">Eur J Immunol. 22 (4): 957-62.</a></li> <li>2. Sato K <i>et al.</i> (2001) Carbon monoxide generated by heme oxygenase-1 suppresses the rejection of mouse-to-rat cardiac transplants. <a href="#">J Immunol. 166 (6): 4185-94.</a></li> <li>3. Lin, Y. <i>et al.</i> (1999) Rejection of cardiac xenografts by CD4+ or CD8+ T cells. <a href="#">J Immunol. 162 (2): 1206-14.</a></li> <li>4. Sato, K. <i>et al.</i> (1999) Suppression of delayed xenograft rejection by specific depletion of elicited antibodies of the IgM isotype. <a href="#">Transplantation. 68 (6): 844-54.</a></li> <li>5. Molleví, D.G. <i>et al.</i> (2001) Heart and liver xenotransplantation under low-dose tacrolimus: graft survival after withdrawal of immunosuppression. <a href="#">Transplantation. 71 (2): 217-23.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety</b>	Material Safety Datasheet documentation #10040 available at:

**Information** <https://www.bio-rad-antibodies.com/SDS/MCA733R10040>

**Regulatory** For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

### Recommended Negative Controls

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 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 Fax: +44 (0)1865 852 739 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 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
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