

Datasheet: MCA733R

Description:	MOUSE ANTI RAT RETICULUM CELLS
Specificity:	RETICULUM CELLS
Other names:	COMPLEMENT FACTOR 3
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	ED11
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Rat
Product Form	Purified IgG - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Rat spleen cell homogenate.
RRID	AB_323428
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with the mouse SP2/0.Ag14 myeloma cell line.
Specificity	<p>Mouse anti Rat reticulum cells antibody, clone ED11 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>Biochemical analysis has revealed that Mouse anti Rat reticulum cells antibody, clone ED11 recognizes complement factor C3. <i>In vivo</i> studies have shown that Mouse anti Rat reticulum cells antibody, clone ED11 blocks immune complex trapping on follicular dendritic cells (Van den Berg et al. 1992).</p>
References	<ol style="list-style-type: none"> 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. Eur J Immunol. 22 (4): 957-62. 2. Sato K <i>et al.</i> (2001) Carbon monoxide generated by heme oxygenase-1 suppresses the rejection of mouse-to-rat cardiac transplants. J Immunol. 166 (6): 4185-94. 3. Lin, Y. <i>et al.</i> (1999) Rejection of cardiac xenografts by CD4+ or CD8+ T cells. J Immunol. 162 (2): 1206-14. 4. Sato, K. <i>et al.</i> (1999) Suppression of delayed xenograft rejection by specific depletion of elicited antibodies of the IgM isotype. Transplantation. 68 (6): 844-54. 5. Molleví, D.G. <i>et al.</i> (2001) Heart and liver xenotransplantation under low-dose tacrolimus: graft survival after withdrawal of immunosuppression. Transplantation. 71 (2): 217-23.
Storage	<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>
Guarantee	12 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

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M381859:210512'

Printed on 29 Aug 2021