

Datasheet: MCA733R

BATCH NUMBER 0611R

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	0.09% Sodium Azide

Stabilisers

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 **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.

Biochemical analysis has revealed that Mouse anti Rat reticulum cells antibody, clone ED11 recognizes complement factor C3. *In vivo* 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](#)).

References

1. Van den Berg, T.K. *et al.* (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 *et al.* (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. *et al.* (1999) Rejection of cardiac xenografts by CD4+ or CD8+ T cells. [J Immunol. 162 \(2\): 1206-14.](#)
4. Sato, K. *et al.* (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. *et al.* (2001) Heart and liver xenotransplantation under low-dose tacrolimus: graft survival after withdrawal of immunosuppression. [Transplantation. 71 \(2\): 217-23.](#)

Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. 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 #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA733R>
10040

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 \(MCA1209\)](#)

North & South America	Tel: +1 800 265 7376 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](https://www.bio-rad-antibodies.com/datasheets)
'M368853:200529'

Printed on 21 Sep 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)