

Datasheet: MCA530R

Description:	MOUSE ANTI RAT FOLLICULAR DENDRITIC CELLS
Specificity:	ED5 ANTIGEN (FOLLICULAR DENDRITIC CELLS)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	ED5
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	▪			1/100 - 1/200
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.

Target Species	Rat
Species Cross Reactivity	Does not react with:Mouse
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 cells.
RRID	AB_322058
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the Sp2/0 - Ag14 mouse myeloma cell line.
Specificity	Mouse anti rat follicular dendritic cell antibody, clone ED5 recognizes the ED5 antigen, revealing a web-like pattern in B cell follicles, representing the follicular dendritic cells. Mesangial cells in the kidney are also ED5-positive.
References	<ol style="list-style-type: none"> 1. Jeurissen, S.H. & Dijkstra, C.D. (1986) Characteristics and functional aspects of nonlymphoid cells in rat germinal centers, recognized by two monoclonal antibodies ED5 and ED6. Eur J Immunol. 16 (5): 562-8. 2. Kapasi, Z.F. (1998) Follicular dendritic cell (FDC) precursors in primary lymphoid tissues. J Immunol. 160: 1078-84. 3. Yamate, J. <i>et al.</i> (2002) Establishment and characterization of transplantable tumor line (KB) and cell lines (KB-P and KB-D8) from a rat thymus-derived dendritic cell sarcoma. Virchows Arch. 440: 616-26. 4. Köhler, C.N. (2010) The actin-binding protein caldesmon is in spleen and lymph nodes predominately expressed by smooth-muscle cells, reticular cells, and follicular dendritic cells. J Histochem Cytochem. 58 (2): 183-93. 5. Ohmori, Y. <i>et al.</i> (2001) Repeated Antigen Challenge Modulates Expression of Follicular Dendritic Cell (FDC) Related Molecule in Draining Lymph Nodes Acta Histochemica et Cytochemica 34: 265-73. 6. Zandvoort, A. <i>et al.</i> (2001) Slow recovery of follicular B cells and marginal zone B cells after chemotherapy: implications for humoral immunity. Clin Exp Immunol. 124 (2): 172-9. 7. Camelo, S. <i>et al.</i> (2004) Capture of intracamerally placed Ag by resident macrophages of the spleen and of the cervical and mesenteric lymph nodes. ARVO Annual Meeting Abstract 2406157.
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
Regulatory	For research purposes only

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 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
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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

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