

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

RRID AB_322058

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.
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	Store at +4°C for one month or at -20°C for longer. 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.
Guarantee	18 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 IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight[®]800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [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
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