

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
Preparation	Antibody purified from tissue culture supernatant
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	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA530R</p> <p>10040</p>

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR76...)	RPE
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 (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

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

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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
'M405572:220916'

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