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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Technically
Speaking

CEDARLANE[®] 
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Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

**Anti-Rat RT1.D
Monoclonal Antibody**

| Catalogue# | Format | Size | Concentration | Isotype Control |
|-------------------|----------|---------------|---------------|-----------------|
| CL011A | Ascites | 0.5mL | NA | CLCMG100 |
| CL011AP/-2 | Purified | 250 µg/500 µg | 1.0 mg/ml | CLCMG100 |
| CL011B/-5 | Biotin | 100 µg/500 µg | 0.1 mg/ml | CLCMG115 |
| CL011F/-5 | FITC | 100 µg/500 µg | 0.1 mg/ml | CLCMG101 |
| CL011PE | PE | 50 µg | 0.1 mg/ml | CLCMG104 |

Isotype: Mouse IgG₁

DESCRIPTION:

Cedarlane's anti-rat RT1.D monoclonal antibody recognizes a monomorphic determinant on the α chain of the rat Ia antigen and appears to be the rat homologue of mouse Ia-E. It recognizes the rat Ia product present on B, but not T cells from lymph node or thoracic duct lymph. It does not bind to thymocytes or erythrocytes. The antibody does not cross-react with rat Ia-A or mouse Ia-E antigen, but rabbit antibody raised against the antibody affinity column-purified MRC OX-17 antigen cross-reacted on tissues of mice expressing Ia-E mouse antigen but not on those mouse strains that were Ia-E antigen negative. (2)

PRESENTATION:

Ascites: Lyophilized.

Purified: Purified Ig buffered in PBS and 0.02% NaN₃. Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.

Biotin, FITC and PE: Biotin/FITC/PE conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

STORAGE/STABILITY:

Store **Ascites** at -20°C. For all other formats, store at 4°C. DO NOT FREEZ **PE** conjugates. For long term storage (**Purified, Biotin, and FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

SPECIFICATIONS:

Clone: MRC OX-17

Hybridoma Production:

Immunization: Immunogen: Rat spleen membrane glycoproteins depleted of Ia-A antigens.
Donor: BALB/c spleen

Fusion Partner: X63 Ag8.653

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Specificity: Rat RT1.D (Anti-Rat Ia-E)

Strains Tested: Wistar, Buffalo, Brown Norway, Fischer 344

Positive: Wistar, Buffalo, Brown Norway, ACI, Fischer 344

Negative: none

TEST RESULTS:

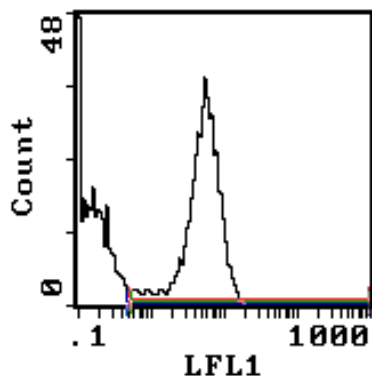
Tissue Distribution by Flow Cytometry Analysis:

Rat Strain: Fischer

Cell Concentration: 1×10^6 cells per test

Antibody Concentration Used: $0.5 \mu\text{g}/10^6$ cells

| <u>Cell Source:</u> | <u>Percentage of cells stained above control:</u> |
|---------------------|---------------------------------------------------|
| Thymus | 10.2% |
| Spleen | 48.8% |
| Lymph Node | 27.5% |



Cell Source: Spleen

N.B. Appropriate control samples should always be included in any labeling studies.

*** For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

REFERENCES:

1. Kearney, J.F., Radbruch, A., Leisegang, B. and K. Rajewsky. (1979) A New mouse myeloma cell line that has lost Immunoglobulin expression but permits the construction of antibody-secreting hybrid cell lines. *J. Immunol.* 123, 1548-1550.
2. Fukumoto, T., McMaster, W.R. and A.F. Williams. (1982) Mouse monoclonal antibodies against rat major histocompatibility antigens. Two Ia antigens and expression of Ia and Class I antigens in rat thymus. *Eur. J. Immunol.* 12, 237-243.
3. Barclay, A.N. (1981) Different reticular elements in rat lymphoid tissue identified by localization of Ia, thy-1 and MRC OX-2 antigens. *Immunology.* 42, 593-600.

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