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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

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.A^c
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL027A	Ascites	0.5ml	NA	CLCMG2A00
CL027AP/-2	Purified	250µg/500µg	1.0 mg/ml	CLCMG2A00
CL027B/-5	Biotin	100µg/500µg	0.1 mg/ml	CLCMG2A15
CL027F/-5	FITC	100µg/500µg	0.1 mg/ml	CLCMG2A01

Isotype: Mouse IgG_{2a}

DESCRIPTION:

Cedarlane's anti-rat RT1.A^c recognizes a polymorphic determinant of the MHC class I antigen in rat. CL027 is an excellent antibody for labelling cells of donor or host origin in bone marrow chimeras. (1,2)

Applications include flow cytometry, immunoprecipitation, and immunohistochemistry using cryostat sections (however, cross-reactivity with Lewis rats have been shown to occur in some instances).

PRESENTATION:

Ascites: Lyophilized

Purified: Purified IgG 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 and FITC: 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. 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: OX-27

Hybridoma Production:

Immunization: Immunogen: Phytohaemagglutinin activated rat lymphocytes.
Donor: BALB/c spleen
Fusion Partner: P3-NS1-1-AG4 (NS1/1)

Specificity: Rat RT1.A^c (rat MHC Class I polymorphic)

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registered company.

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TEST RESULTS:

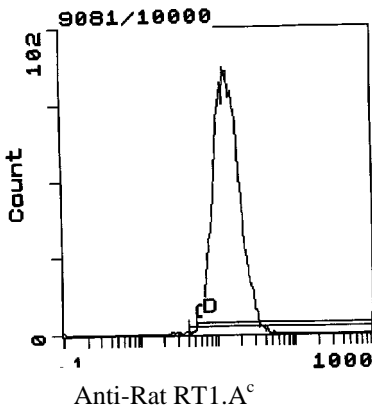
Tissue Distribution by Flow Cytometry Analysis:

Rat Strain: Brown Norway

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	73.9%
Spleen	99.0%
Lymph Node	100%



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.**

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

Positive: Brown Norway

Negative: Buffalo, Wistar, Fischer, ACI

REFERENCES:

- 1) Butcher, G.W. (1987) 19: 3-21. Monoclonal antibodies specific for alloantigens of the rat. Rat Membrane Alloantigens News.
- 2) Jeffries, W.A. et al. (1985) J. Exp. Med. 162: 117-127. Authentic T Helper CD4 (W3/25) antigen on rat peritoneal macrophages.

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