



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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Technically  
Speaking

**CEDARLANE**<sup>®</sup>  
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Conveniently Delivering You Today's Innovations  
for the Science of Tomorrow™

**Anti-Rat RT1.A<sup>c</sup>  
Monoclonal Antibody**

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

Isotype: Mouse IgG<sub>2a</sub>

**DESCRIPTION:**

Cedarlane's anti-rat RT1.A<sup>c</sup> 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% NaN<sub>3</sub>. (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% NaN<sub>3</sub> 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<sup>c</sup> (rat MHC Class I polymorphic)

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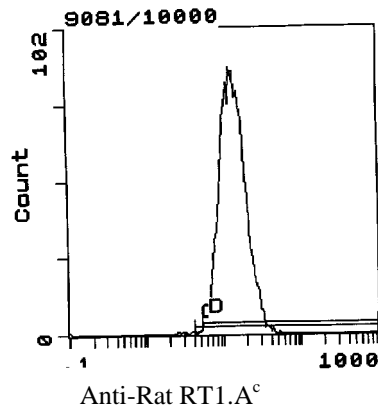
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e-mail: [service@cedarlanelabs.com](mailto:service@cedarlanelabs.com)

**TEST RESULTS:**

Tissue Distribution by Flow Cytometry Analysis:

Rat Strain: Brown Norway  
Cell Concentration:  $1 \times 10^6$  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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