



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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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Conveniently Delivering You Today's Innovations  
for the Science of Tomorrow™

**Anti-Rat CD45  
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
<b>CL001A</b>	Purified	0.5 ml	NA	CLCMG2A00
<b>CL001AP/-2</b>	Purified	250 µg/500 µg	1.0 mg/ml	CLCMG2A00
<b>CL001NA</b>	Purified	1.0 ml	1.0 mg/ml	CLCMG2A00
<b>CL001B/-5</b>	Biotin	100 µg/500 µg	0.1 mg/ml	CLCMG2A15
<b>CL001F/-5</b>	FITC	100 µg/500 µg	0.1 mg/ml	CLCMG2A01
<b>CL001PE/-4</b>	PE	50 µg/200 µg	0.1 mg/ml	CLCMG2A04

Isotype: Mouse IgG2a

**DESCRIPTION:**

Cedarlane's anti-rat CD45 monoclonal antibody recognizes a monomorphic determinant of the rat leukocyte common antigen. (1) The antigen recognized is a heavily glycosylated membrane glycoprotein of molecular weight 170,000 Da on thymocytes but molecular weight 170,000-220,000 Da on other leukocytes. The leukocyte common antigen (L-CA) is a major glycoprotein of haematopoietic cells but is not found on other tissues or erythroid cells. It is present on greater than 95% of thymocytes, bone marrow cells and thoracic duct lymphocytes. This molecule carries much of the carbohydrate of thymocytes and shows interesting heterogeneity amongst T lymphocytes and B lymphocytes. (2, 3)

This antibody is suitable for use in flow cytometry and immunohistochemistry with frozen sections. This clone has also been reported to be unsuitable for use with paraffin sections.

**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.

**No Azide:** Purified IgG buffered in PBS, 0.22 µm filtered with no preservative. (Purified from ascitic fluid via Protein G Chromatography)

**Biotin, FITC and PE:** 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. **DO NOT FREEZE PE** conjugates. For long term storage (**Purified, No Azide, Biotin** and **FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

*Continued Overleaf.....*

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**SPECIFICATIONS:**

Clone: MRC OX-30

Hybridoma Production:

Immunization: Immunogen: Lymph Node glycoproteins and cells  
Donor: BALB/c Spleen

Fusion Partner: NSO/U

Specificity: Rat CD45

**TEST RESULTS:**

Rat Strain: Wistar

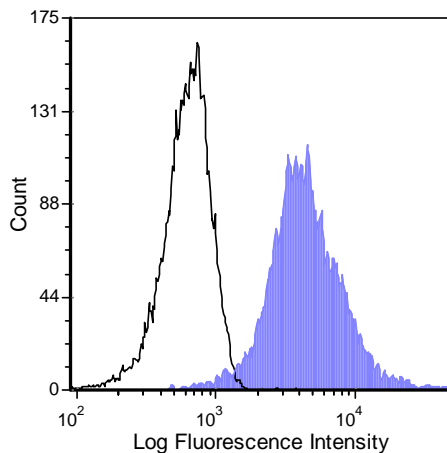
Cell concentration: 1x10<sup>6</sup> cells per test

Antibody concentration used: 0.5 µg/10<sup>6</sup> cells

Cell Source

Percentage of cells stained above control:

Thymus	99.2%
Spleen	99.2%
Lymph Node	99.8%



Wistar rat thymocytes were stained with anti-CD45 (clone: OX-30) (filled histogram) or mouse IgG2a isotype control (open histogram).

**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:**

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2. Brown,W.R.A., Barclay,A.N., Sunderland,C.A. and A.F. Williams. (1981) Nature. 289, 1164-1177. Identification of a glycoprotein-like molecule at the cell surface of rat thymocytes.
3. Standring,R. and A.F. Williams. (1978) Biochim.Biophys. Acta. 508, 85-96. Glycoproteins and antigens of membranes prepared from rat thymocytes after lysis by shearing or with the detergent Tween-40.
4. Brown,W.R.A. and A.F. Williams. (1982) Immunology. 46, 713-726. Lymphocyte cell surface glycoproteins which bind to soybean and peanut lectins.
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