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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- 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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Anti-Rat CD45
Monoclonal Antibody

Catalogue#	Format	Size	Concentration	Isotype Control
CL001A	Purified	0.5 ml	NA	CLCMG2A00
CL001AP/-2	Purified	250 µg/500 µg	1.0 mg/ml	CLCMG2A00
CL001NA	Purified	1.0 ml	1.0 mg/ml	CLCMG2A00
CL001B/-5	Biotin	100 µg/500 µg	0.1 mg/ml	CLCMG2A15
CL001F/-5	FITC	100 µg/500 µg	0.1 mg/ml	CLCMG2A01
CL001PE/-4	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_3. (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_3 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.....

In CANADA: Toll Free: 1-800-268-5058
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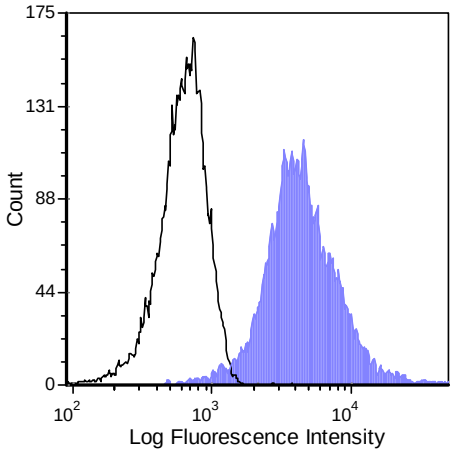
SPECIFICATIONS:

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: $1x10^6$ cells per test
Antibody concentration used: 0.5 µg/10^6 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:

1. Sunderland,C.A., McMaster, W.R., and A.F. Williams. (1979) Eur. J.Immunol. 9, 155-159. Purification with monoclonal antibody of a predominant leukocyte-common antigen and glycoprotein from rat thymocytes.
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.
5. Woollet,G.R., Barclay,A.N., Puklavec,M. and A.F. Williams. (1985) Eur. J. Immunol. 15, 168-173. Molecular and antigenic heterogeneity of the rat leukocyte-common antigen from thymocytes and T and B lymphocytes.
6. Brouard, S., *et al*. (1999) J. of Immunol. 162, 3367-3377. T Cell repertoire alterations of vascularized xenografts.

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