SZABO SCANDIC

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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

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Anti-Rat CD45
Monoclonal Antibody

Catalogue#	Format	Size	Concentration	Isotype Control
CL009A	Ascites	0.5ml	NA	CLCMG100
CL009AP	Purified	250µg	1.0 mg/ml	CLCMG100
CL009AP-2	Purified	500µg	1.0 mg/ml	CLCMG100
CL009B	Biotin	100µg	0.1 mg/ml	CLCMG115
CL009B-5	Biotin	500µg	0.1 mg/ml	CLCMG115
CL009F	FITC	100µg	0.1 mg/ml	CLCMG101
CL009F-5	FITC	500µg	0.1 mg/ml	CLCMG101
CL009PE	PE	50µg	0.1 mg/ml	CLCMG104
CL009PE-4	PE	200µg	0.1 mg/ml	CLCMG104

Isotype: Mouse IgG_1

DESCRIPTION:

Cedarlane's anti-rat CD45 monoclonal antibody was raised against rat leukocyte common antigen and with this it was shown that the antigen existed in different forms on different lymphoid cell types. The thymocyte, T lymphocyte and B lymphocyte forms were found at about 180, 200 (multiple bands) and 240 (broad band) kDa, respectively [2]. This molecule carries much of the carbohydrate of thymocytes and shows interesting heterogeneity amongst T lymphocytes and B lymphocytes.
Applications include: Flow cytometry and this clone is reported to work with frozen sections.

PRESENTATION:

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.
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:

For all formats, store at 4°C. DO NOT FREEZE **PE** conjugates. For long term storage (**Purified, Biotin, 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:

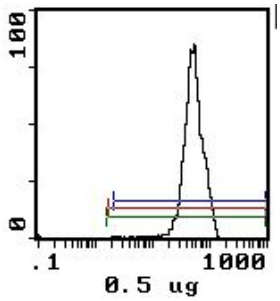
Clone: MRC OX-1
Hybridoma Production:
Immunization: Immunogen: Rat thymocyte membrane glycoproteins
Donor: BALB/c Spleen
Fusion Partner: NSI/1-Ag4-1
Specificity: Rat Leukocyte Common Antigen

RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

Rat Strain: Wistar
Cell Concentration: $1x10^6$ cells per test
Antibody Concentration: $0.5\mu g/10^6$ cells

Cell Source	Percentage of cells stained above control:
Thymus	99.6%
Spleen	72.2%



Anti-CD45
Cell Source: Thymus

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. Woollett, G.R., Barclay, A.N., Puklavec, M. & Williams, A.F. (1985) Eur. J. Immunol. 15: 168-173. Molecular and antigenic heterogeneity of the rat leukocyte-common antigen from thymocytes and T and B lymphocytes.
3. Barclay, A.N., Jackson, D.I., Willis, A.C. & Williams, A.F. (1987) EMBO J. 6: 1259-1264. Lymphocyte specific heterogeneity in the rat leucocyte common antigen (T200) is due to differences in polypeptide sequences near the NH_2-terminus.
4. Barclay , A.N. (1981). Immunology 42: 593-600. The localization of populations of lymphocytes defined by monoclonal antibodies in rat lymphoid tissues.

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