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- Diagnostik & molekulare Diagnostik
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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Anti-Rat RT1.B^u Monoclonal Antibody

Catalogue#	Format	Size	Concentration	Isotype Control
CL008A	Ascites	0.5ml	NA	CLCMG100
CL008AP/-2	Purified	250µg/500µg	1.0 mg/ml	CLCMG100
CL008B/-5	Biotin	100µg/500µg	0.1 mg/ml	CLCMG115
CL008F/-5	FITC	100µg/500µg	0.1 mg/ml	CLCMG101
CL008PE/-5	PE	50µg/200µg	0.1 mg/ml	CLCMG104
CL008NA	No Azide	1.0mg	1.0 mg/ml	CLCMG100

Isotype: Mouse IgG_1

DESCRIPTION:

Cedarlane's anti-rat RT1.B^u monoclonal antibody recognizes a polymorphic determinant on rat Ia present on Lewis, Wistar, and AO rat strains (although it is apparently expressed in lower amounts in AO rats) but not BN, DA, or PVG/c strains (1,2). This antibody also cross-reacts with mouse strains (MHC haplotypes b and s) and analysis of recombinant mouse strains shows that the determinant maps to the I-A region and correlates with mouse Ia specificity 9 (1). CL008 recognizes Ia antigens on approximately 18% of thymocytes but does not significantly label the majority of peripheral T lymphocytes (1,3,4). Thus, CL008 is particularly useful for distinguishing Ia positive cells from different rat strains and has been used in the recognition of cells of donor origin in bone marrow reconstituted radiation chimeras (3,4).

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.
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.
No Azide: Purified Ig buffered in PBS, no preservative, 0.2 µm sterile filtered.

STORAGE/STABILITY:

Store **Ascites** at -20°C. For all other formats, store at 4°C. DO NOT FREEZ **PE** conjugates. Handle NA format under aseptic conditions. For long term storage (**Purified, Biotin, FITC and NA**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

In CANADA: Toll Free: 1-800-268-5058
4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020
e-mail: general@cedarlanelabs.com

In the USA: Toll Free: 1-800-721-1644
1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
e-mail: service@cedarlanelabs.com

SPECIFICATIONS:

Clone: MRC OX-3

Hybridoma Production:

Immunization: Immunogen: Rat thymocyte membrane glycoprotein
Donor: BALB/c spleen

Fusion Partner: P3-NS1-1-Ag4 (NS1/1)

Specificity: Rat RT1.B^{u} (Rat Ia-polymorphic)

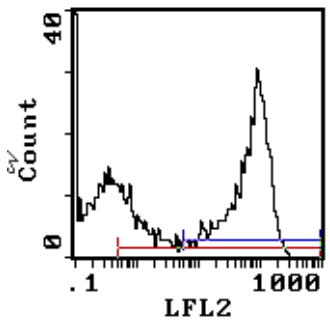
Strains Tested: Wistar, Buffalo, Brown Norway, ACI, Fischer 344, Lewis
Positive: Wistar, Buffalo, Fischer 344, Lewis
Negative: Brown Norway, ACI

TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

Rat Strain: Buffalo
Cell Concentration: 1x10^{6} cells per tests
Antibody Concentration Used: 0.05 µg/10^{6} cells

Cell Source:	Percentage of cells stained above control:
Thymus	18.6%
Spleen	43.9%
Lymph Node	20.8%



Cell Source: Spleen

N.B. Appropriate control samples should always be included in any labelling studies.
*** For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

REFERENCES:

1. McMaster, W.R. and A.F. Williams. (1979) Eur. J. Immunol. 9, 426-433. Identification of Ia glycoproteins in rat thymus and purification from rat spleen.
2. McMaster, W.R. and A.F. Williams. (1979) Immunol. Rev. 47, 117-137. Monoclonal Antibodies to Ia antigens from Rat Thymus: Cross Reactions with mouse and human and use in purification of rat IA glycoproteins.
3. Barclay, A.N. and G. Mayrhofer. (1981) J. Exp. Med. 153, 1666-1671. Bone Marrow origin of Ia-positive cells in the medulla of rat thymus.
4. Barclay, A.N. (1981) Immunology. 44, 727-736. Different reticular elements in rat lymphoid tissue identified by localization of Ia, Thy 1 and MRC OX-2 antigens.

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