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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Rat CD8a
Monoclonal Antibody

Catalogue#	Format	Size	Concentration	Isotype Control
CL004A	Ascites	0.5ml	N/A	CLCMG2A00
CL004AP/-2	Purified	250µg/500µg	1.0 mg/ml	CLCMG2A00
CL004AP-S	Purified	50µg	1.0 mg/ml	CLCMG2A00
CL004B/-5	Biotin	100µg/500µg	0.1 mg/ml	CLCMG2A15
CL004F/-5	FITC	100µg/500µg	0.1 mg/ml	CLCMG2A01
CL004NA	No Azide	1mg	1.0 mg/ml	CLCMG2A00
CL004PE/-4	PE	50µg/200µg	0.1 mg/ml	CLCMG2A04
CL004TC	PE-Cy5	100µg	0.1 mg/ml	CLCMG106
CL004AF4	Alexa Fluor®488	100µg	0.1 mg/ml	N/A

Alexa Fluor® is a registered trademark of Life Technologies Corporation.

Isotype Control: Mouse IgG_1

DESCRIPTION:

Cedarlane's anti-rat T cytotoxic/suppressor cell monoclonal antibody recognizes a determinant on the majority of thymocytes (90-95%), a subset of peripheral T cells, the majority of NK cells, and the granular intraepithelial leukocytes in the small intestine (1,2,3,4). The antigen recognized is a complex of surface glycoproteins of Mr 34, 39, and 76 kDa and is the rat homologue of the human CD8 and the mouse Ly 2.3 antigen (5,8). CL004 labels all peripheral T cells that are unlabeled by the CL003 (W3/25) monoclonal antibody. It labels a T cell subset which mediates the suppression of antibody formation (1) and the cytotoxic cell precursor (2). CL004 and CL003 can be used together to fractionate T cells by sorting in FACS or by rosette depletion (1,2) or can be used together to study subsets of T cells in the rat which mediate lethal graft versus host disease (7). This antibody is one of the 3 monoclonal antibodies which labels T lymphocyte populations in the rat, these being CL002AP (W3/13) which labels all T cells, as well as CL003 (W3/25) and CL004 (MRC OX-8) which label non-overlapping T cell populations. These monoclonal antibodies used in concert are being employed extensively to investigate cellular aspects of the immune response in rats and prove to be useful as markers for functionally distinct subpopulations of lymphocytes. This clone is reported to work with frozen and paraffin sections (9).

PRESENTATION:

Ascites: 0.5ml 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, PE and AF488: Biotin/FITC/PE/AF488 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.

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

STORAGE/STABILITY:

Stable at 4°C. DO NOT FREEZE **PE and AF488** conjugates For long term storage, aliquot and freeze unused portions at -20°C in volumes appropriate for single usage. Avoid repeated freeze thaw cycles.

SPECIFICATIONS:

Clone: MRC OX-8

Hybridoma Production:

Immunization:

Immunogen: High molecular weight rat thymocyte glycoproteins
Donor: BALB/c spleen
Fusion Partner: P3-NSI-1-Ag4 (NS1/1)

Specificity: Rat CD8a

Strain Distributions:

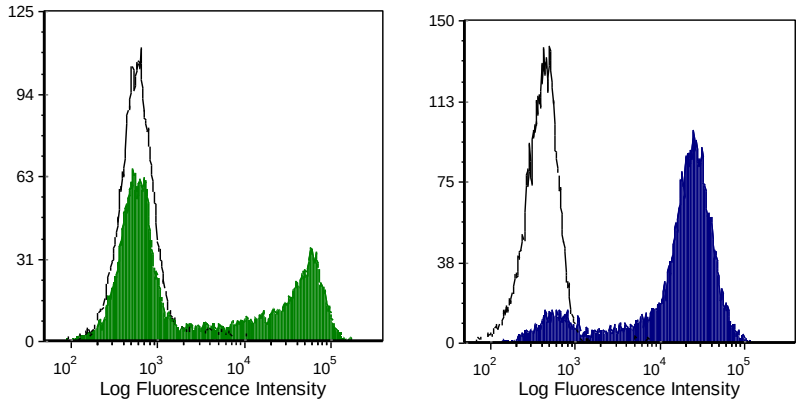
Strains Tested: Wistar, Buffalo, Brown Norway, Fischer 344
Positive: Wistar, Buffalo, Brown Norway,Fischer 344
Negative: none

FLOW CYTOMETRIC ANALYSIS:

Rat Strain: Wistar

Cell Concentration: $1x10^6$ cells per test
Antibody Concentration: 0.1 µg/10^6 cells

Cell source	Percent staining
Thymus	92.6%
Spleen	11.8%
Lymph Node	23.6%



Wistar rat splenic T-cells (left) or thymocytes (right) were stained with anti-CD8a (clone: OX-8) (filled histogram) or mouse IgG1, κ isotype control (open histogram).

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.**

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Laboratory Reagent for Research Use Only