



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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for the Science of Tomorrow™

**Anti-Mouse CD8a (Ly 2)  
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
<b>CL169A</b>	Ascites	0.5ml	NA	CLCR2B00
<b>CL169AP</b>	Purified	250µg	1.0 mg/ml	CLCR2B00
<b>CL169LE</b>	Purified	500ug	1.0mg/ml	CLCR2B00
<b>CL169NA</b>	Purified	1.0ml	1.0 mg/ml	CLCR2B00
<b>CL169B/-3</b>	Biotin	100µg/300µg	0.1 mg/ml	CLCR2B15
<b>CL169F/-3</b>	FITC	100µg/300µg	0.1 mg/ml	CLCR2B01
<b>CL169APC</b>	APC	100µg	0.1 mg/ml	CLCR2B05
<b>CL169PE/-3/-100</b>	PE	50µg/300µg/100 µg	0.1 mg/ml	CLCR2B04
<b>CL169AF4</b>	Alexa Fluor <sup>®</sup> 488	100 µg	0.1 mg/ml	N/A
<b>CL169AF6</b>	Alexa Fluor <sup>®</sup> 647	100 µg	0.1 mg/ml	N/A
<b>CL169AF7</b>	Alexa Fluor <sup>®</sup> 700	100 µg	0.1 mg/ml	N/A

Alexa Fluor<sup>®</sup> is a registered trademark of Life Technologies Corporation.

Isotype: Rat IgG<sub>2b</sub>

**DESCRIPTION:**

Cedarlane's anti-CD8a (Ly 2) monoclonal antibody reacts with a protein of approximately 30 kDa found on mouse thymocytes and mouse cytotoxic/suppressor T cells. It does not bind to mouse helper/inducer T cells. It binds to T lymphocytes from all mouse strains regardless of phenotypic expression (i.e. reacts with T lymphocytes from mouse strains expressing the Ly 2.1 or Ly 2.2 phenotype). It can be used to investigate the role of T cells in models for infectious disease, autoimmunity, transplantation tolerance and fundamental aspects of immunology<sup>1</sup>. It can also be useful to identify/eliminate cytotoxic or suppressor T lymphocytes in vivo or in vitro.

This antibody has been reported to be suitable for use in immunohistochemistry on PFA-fixed paraffin-embedded tissue sections (antigen retrieval is required).<sup>7</sup> This clone has been reported to work in immunohistochemistry<sup>6</sup> (frozen 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.

**LE:** Purified Ig buffered in PBS, no preservative, 0.2µm sterile filtered. (Purified from cell culture supernatant via Protein G Chromatography)

**APC, Biotin, FITC, PE, AF488, AF647 and AF700:** Biotin/FITC/PE/AF488/AF647/AF700 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.

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

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## **STORAGE/STABILITY:**

Store **Ascites** at -20°C. For all other formats, store at 4°C. **DO NOT FREEZE APC, PE, AF488, AF647 and AF700 conjugates.** For long term storage (**Purified, LE, Biotin, FITC and No Azide**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

## **SPECIFICATIONS:**

Clone: YTS 169.4

### Hybridoma Production:

Immunization: Immunogen: Mouse Ly-2 thymocytes

Donor: (Lou x DA) F1 rat

Fusion Partner: myeloma Y3/Ag1.2.3

Specificity: Mouse CD8a (Ly 2)

Strains Tested: C57BL/6, BALB/c, AKR/J, C3H/He

Positive: C57BL/6, BALB/c, AKR/J, C3H/He

Negative: None

## **TEST RESULTS:**

### Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c

Cell Concentration: 1x10<sup>6</sup> cells per tests

Antibody Concentration Used: 1.0 µg/10<sup>6</sup> cells

### Cell Source

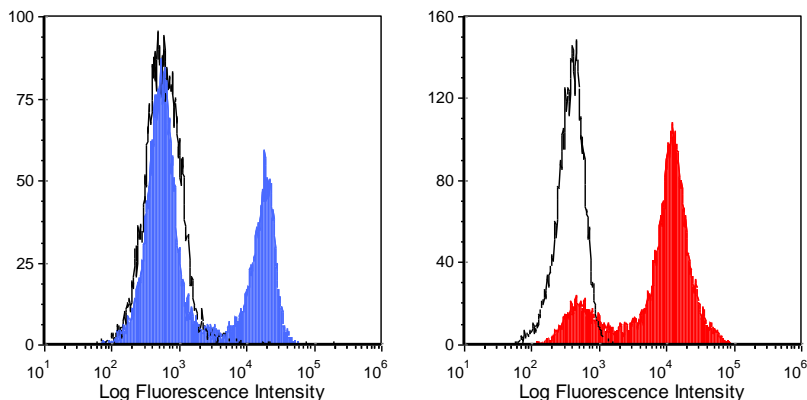
### Percentage of cells stained above control:

Thymus

87.1%

Splenic T Cells\*

29.75%



Balb/c mouse splenic T-cells (left) or thymocytes (right) were stained with anti-CD8a (clone: YTS 169.4) (filled histogram) or rat IgG2b 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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