



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

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Technically  
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Conveniently Delivering You Today's Innovations  
for the Science of Tomorrow™

**Anti-Mouse  $\alpha\beta$  TCR  
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
<b>CL7200A</b>	Acities	0.50ml	1.0 mg/ml	CLCHM00
<b>CL7200AP</b>	Purified	250 $\mu$ g	1.0 mg/ml	CLCHM01
<b>CL7200APC</b>	APC	0.1mg	0.1 mg/ml	CLCHM05
<b>CL7200B/-3</b>	Biotin	100 $\mu$ g/300 $\mu$ g	0.1 mg/ml	CLCHM15
<b>CL7200F/-3</b>	FITC	100 $\mu$ g/300 $\mu$ g	0.1 mg/ml	CLCHM01
<b>CL7200PE</b>	PE	50 $\mu$ g	50 $\mu$ g /0.5ml	CLCHM04
<b>CL7200PE-3</b>	PE	300 $\mu$ g	300 $\mu$ g/0.5ml	CLCHM04
<b>CL7200AF4</b>	Alexa Fluor <sup>®</sup> 488	100 $\mu$ g	0.1 mg/ml	N/A

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

Isotype: Armenian Hamster IgG

**DESCRIPTION:**

Cedarlane's anti-mouse  $\alpha\beta$  T cell receptor monoclonal antibody reacts with the surface of all  $\alpha\beta$  TCR bearing cells and does not react with receptors on  $\gamma\delta$  TCR positive T cells. This monoclonal antibody when used in an immobilized form was able to activate all  $\alpha\beta$  TCR bearing T cell hybridomas tested to produce IL-2 (1).

Use of this antibody in conjunction with an anti-CD3 $\epsilon$  monoclonal antibody (Cedarlane's anti-CD3 $\epsilon$  mAb CL7202AP) allows for accurate measurements of the mutually exclusive sub-populations of  $\alpha\beta$  TCR and  $\gamma\delta$  TCR bearing T cells.

This clone has been reported to work in flow cytometry<sup>4</sup>, immunoprecipitation<sup>1</sup>, immunohistochemistry (frozen sections)<sup>6</sup> and Western Blotting<sup>5</sup>.

**PRESENTATION:**

**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.

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

**STORAGE/STABILITY:**

For all formats, store at 4°C. DO NOT FREEZE PE, APC and AF488 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.

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## **SPECIFICATIONS:**

Clone: H57-597

### Hybridoma Production:

Immunization: Immunogen: Affinity purified D0 -11.10 TCR

Donor: Armenian Hamster

Fusion Partner: Mouse myeloma variant P3X63Ag.653

Specificity: Mouse  $\alpha\beta$  T Cell Receptor

Presentation: Purified Ig buffered in PBS with the addition of 0.02% NaN<sub>3</sub> (Purified from Ascitic fluid via Protein G Affinity Chromatography)

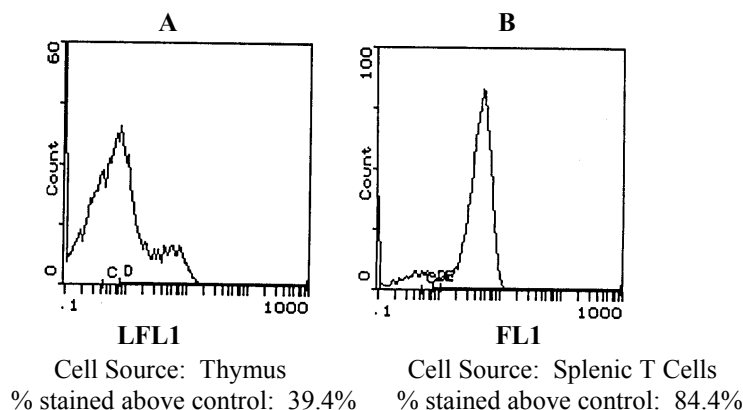
### Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c

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

Antibody Concentration Used: 0.2  $\mu$ g/10<sup>6</sup> cells

\* (T cells isolated with CL101 - Cedarlane's Mouse T Cell Recovery Column Kit).



**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**

### Strain Distribution by Flow Cytometry Analysis:

Procedure: as above

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

Antibody Concentration used: 0.5  $\mu$ g/10<sup>6</sup> cells

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

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

Negative: None

## **REFERENCES:**

1. Kubo, R.T. Born, W., Kappler, J.W., Marrack, P. and M. Pigeon. 1989. Characterization of a Monoclonal Antibody Which Detects All Murine  $\alpha\beta$  T Cell Receptors. *J. of Immunol.* **142**: 2736-2742.
2. Goodman, T., Lefrancois, L. 1989. Intraepithelial Lymphocytes. *J. of Exp. Med.* **170**: 1569-1581.
3. Gross, J. A., E. Callas and J. P. Allison. 1992. Identification and Distribution of the Costimulatory Receptor CD28 in the Mouse. *J. of Immunol.* **149**: 380-388.
4. Palathumpat, V. *et al.* 1992. Treatment of BCL<sub>1</sub> Leukemia by Transplantation of Low Density Fractions of Allogeneic Bone Marrow and Spleen Cells. *J. of Immunol.* **148**: 3319-3326.
5. Paliwal, V. *et al.* 1997. Recombinant Soluble  $\alpha\beta$  TCR Receptors Protect T Cells from Immune Suppression. *J. of Immunol.* **159**: 1718-1727
6. Skarstein, K. *et al.* 1994. Oligoclonality of T cells in salivary glands of autoimmune MRL/*lpr* mice. *Immunology.* **81**:497-501.

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