



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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

**Anti-Mouse CD45RB  
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
<b>CL8947AP</b>	Purified	250 µg	1.0 mg/ml	CLCR2A00
<b>CL8947NA</b>	No Azide	1 mg	1.0 mg/ml	CLCR2A00
<b>CL8947B</b>	Biotin	100 µg	0.1mg/ml	CLCR2A15
<b>CL8947B-3</b>	Biotin	300 µg	0.1 mg/ml	CLCR2A15
<b>CL8947F</b>	FITC	100 µg	0.1 mg/ml	CLCR2A01
<b>CL8947F-3</b>	FITC	300 µg	0.1 mg/ml	CLCR2A01
<b>CL8947PE</b>	PE	50 µg	0.1mg/ml	CLCR2A04
<b>CL8947PE-3</b>	PE	300 µg	0.1mg/ml	CLCR2A04
<b>CL8947APC</b>	APC	100 µg	0.1mg/ml	CLCR2A05
<b>CL8947AF4</b>	Alexa Fluor <sup>®</sup> 488	100 µg	0.1 mg/ml	N/A

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

Isotype: Rat IgG2a

**DESCRIPTION:**

Cedarlane's anti-mouse CD45RB monoclonal antibody reacts with the CD45 isoform containing the exon B dependent epitope. CD45RB is highly expressed on peripheral B cells, cytotoxic T cells, a subset of T helper cells and most thymocytes.

Applications: flow cytometry, immunohistochemistry on acetone-fixed frozen sections and paraffin embedded sections, immunoprecipitation.

**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.

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

**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, No Azide**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

Visit our website for your local distributor.

**CEDARLANE**<sup>®</sup> 

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## **SPECIFICATIONS:**

Clone: 16A

Hybridoma Production:

Immunization: Immunogen: T<sub>H</sub>2 cell clones, final boost with T<sub>H</sub>2 clone D10

Fusion Partner: Ag8.653

Specificity: Mouse CD45RB

## **TEST RESULTS:**

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c

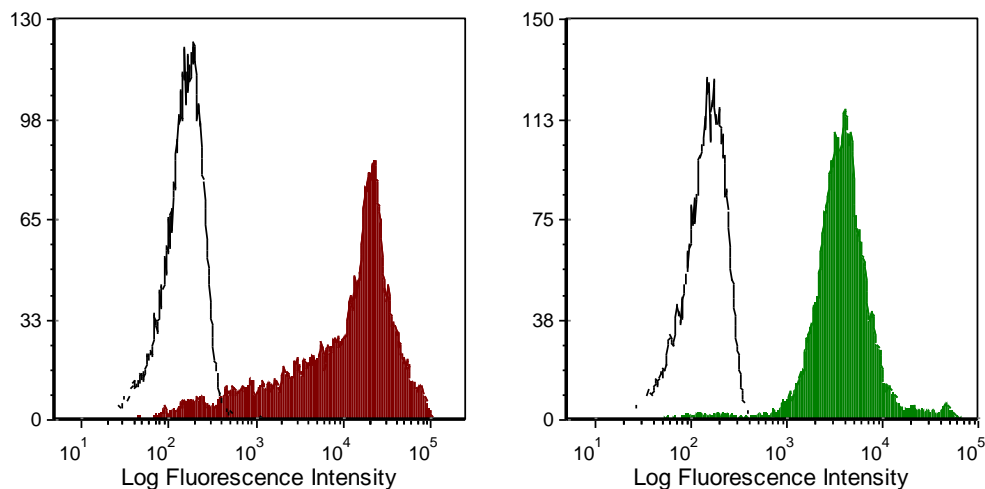
Cell Concentration: 1x10<sup>6</sup> cells per test

Antibody Dilution Used: 0.5 µg/10<sup>6</sup> cells

Cell Source

Percentage of cells stained above control:

Spleen	76.6%
Thymus	96.8%
Lymph Node	66.5%
Bone Marrow	29.2%



Balb/c mouse splenocytes (left) and thymocytes (right) were stained with anti-CD45RB (clone: 16A) (filled histogram) or rat IgG2a 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.**

## **REFERENCES:**

1. Bottomly, K., M. Lugman, L. Greenbaum, S. Carding, I. West, T. Pasqualini, and D.B. Murphy. A monoclonal antibody to murine CD45R distinguishes CD4 T cell populations that produce different cytokines. *Eur. J. Immunol.* 1989. 19:617-623.
2. Hathcock, K.S., H. Hirano, R.J. Hodes. CD45 expression by murine B cells and T cells: Alteration of CD45 isoforms in subpopulations of activated B cells. *Immunol. Res.* 1993. 12:21-36.

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