



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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

**Anti-Mouse CD24/HSA  
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
<b>CL8949AP</b>	Purified	250µg	1.0 mg/ml	CLCR2C00
<b>CL8949B</b>	Biotin	100µg	0.1 mg/ml	CLCR2C15
<b>CL8949F</b>	FITC	100µg	0.1 mg/ml	CLCR2C01
<b>CL8949PE</b>	PE	50µg	0.1 mg/ml	CLCR2C04

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

**DESCRIPTION:**

Cedarlane's YBM 5.10.4 monoclonal antibody is specific for CD24 also known as heat stable antigen (HSA), Ly-52 or Nectadrin. CD24 is 35-45 KDa GPI-linked sialoglycoprotein expressed on a variety of different cell types including lymphocytes, granulocytes, epithelial cells, thymocytes, monocytes, erythrocytes and dendritic cells. CD24 is a useful marker for delineating various lymphocyte development stages as it is variably expressed during T and B cell differentiation. Additionally, CD24 is a cell adhesion molecule and plays a role in T and B cell activation and differentiation through binding P-selectin (CD62P).

**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 and PE:** Biotin/FITC/PE 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 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.

**APPLICATION:**

This antibody is suitable for use in Flow Cytometry.

Visit our website for your local distributor.

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## **SPECIFICATIONS:**

Clone: YBM 5.10.4

### Hybridoma Production:

Immunization: Mouse monoclonal antibodies raised against mouse CD24.

Specificity: This antibody is specific for mouse CD24.

## **TEST RESULTS:**

### Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain used: C57BL/6

Cell Concentration:  $1 \times 10^6$  cells per tests

Antibody Concentration Used:  $0.5 \mu\text{g}/10^6$  cells

### Cell Source

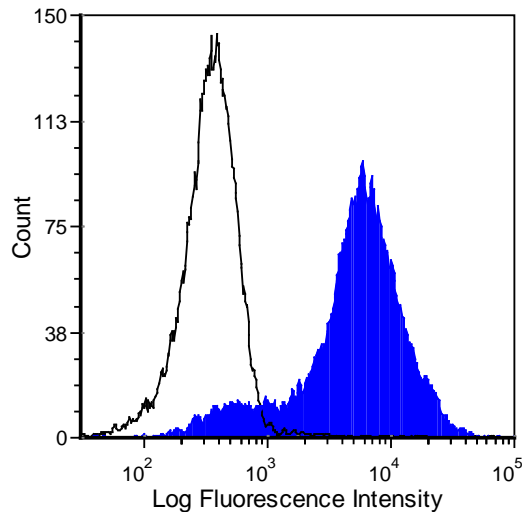
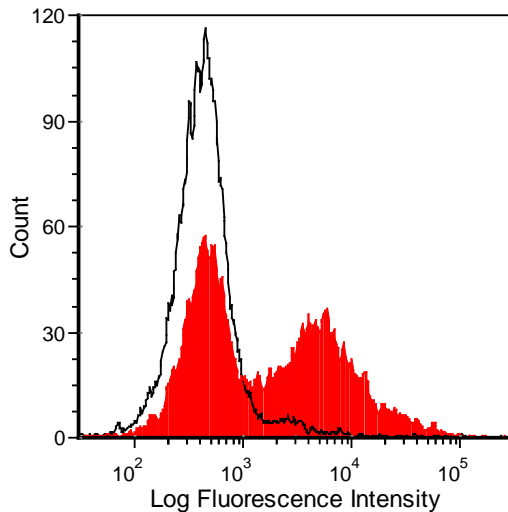
Spleen

Thymus

### Percentage of cells stained above control:

37.5%

83.7%



C57BL/6 mouse splenocytes (left) and thymocytes (right) were stained with anti-CD24/HSA (clone: YBM 5.10.4) (filled histogram) or rat IgG2c 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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2. Rougon, G., Alterman, A.L., Dennis, K et al. 1991. **The murine heat-stable antigen: a differentiation antigen expressed in both the hematolymphoid and neural cell lineages.** Eur. J. Immunol. 21(6): 1397-1402.
3. Bell, S.E. and Zamoyska, R. 1991. **Identification of thymocyte precursors in murine fetal liver.** Eur. J. Immunol. 21(12): 2931-2936.
4. Fung, F.C., Mak, N.K., Leung, K.N. and Hapel, A.J. 1992. **Decreased expression of J11d antigen during monocytic differentiation of M1 myeloid leukemic cells.** Cellular Immunol. 141(1): 121-130.
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6. Brown, N.K., McCormick, D.J., Brusic, V. et al. 2008. **A novel H2A-E+ transgenic model susceptible to human but not mouse thyroglobulin-induced autoimmune thyroiditis: Identification of mouse pathogenic epitopes.** Cellular Immunol. 251(1): 1-7.

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