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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Technically
Speaking

CEDARLANE[®]
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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
CL8949AP	Purified	250µg	1.0 mg/ml	CLCR2C00
CL8949B	Biotin	100µg	0.1 mg/ml	CLCR2C15
CL8949F	FITC	100µg	0.1 mg/ml	CLCR2C01
CL8949PE	PE	50µg	0.1 mg/ml	CLCR2C04

Isotype: Rat IgG_{2c}

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% NaN₃. (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% NaN₃ 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.

CEDARLANE[®]



www.cedarlanelabs.com

An ISO 9001:2000 and ISO 13485:2003
registered company.

In CANADA: Toll Free: 1-800-268-5058

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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

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: 1×10^6 cells per tests

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

Cell Source

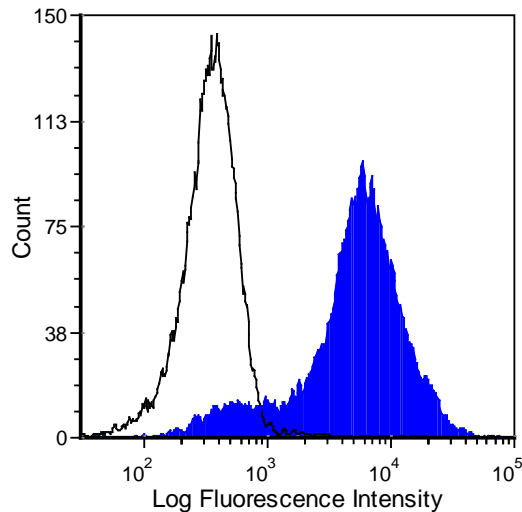
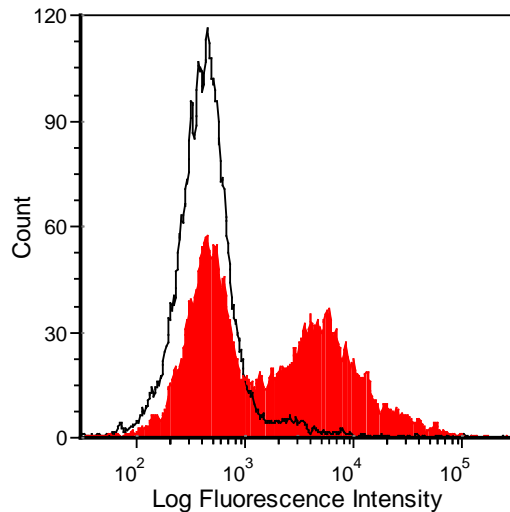
Spleen

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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3. Bell, S.E. and Zamoyska, R. 1991. **Identification of thymocyte precursors in murine fetal liver.** Eur. J. Immunol. 21(12): 2931-2936.
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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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