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Technically
Speaking

CEDARLANE[®] 
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Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

**Anti-Mouse CD45
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL8988AP	Purified	250ug	1.0 mg/ml	CLCR100
CL8988B	Biotin	100ug	0.1 mg/ml	CLCR115
CL8988B-3	Biotin	300ug	0.1 mg/ml	CLCR115
CL8988F	FITC	100ug	0.1 mg/ml	CLCR101
CL8988F-3	FITC	300ug	0.1 mg/ml	CLCR101
CL8988PE	PE	50ug	0.1 mg/ml	CLCR104
CL8988PE-3	PE	300ug	0.1 mg/ml	CLCR104

Isotype: Rat IgG₁

DESCRIPTION:

Cedarlane's anti-mouse CD45 monoclonal antibody detects CD45 (L-CA) which is a transmembrane phosphotyrosine phosphatase expressed on leukocytes. This mAb induces the *in vitro* clustering of mouse lymphocytes (both T and B cells).

Applications for this clone include immunohistochemistry (acetone-fixed frozen sections), flow cytometry and immunoprecipitation

PRESENTATION:

5mg @ 1mg/ml

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 and FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

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

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SPECIFICATIONS:

Clone: IBL-5/25

Hybridoma Production:

Immunization: Immunogen: IL-3 dependent mast cells derived from WB- +/- mice
Donor: Wistar spleen

Fusion Partner: X63.653. Ag8

Specificity: Mouse CD45 (L-CA)

TEST RESULTS:

Mouse Strain: BALB/c

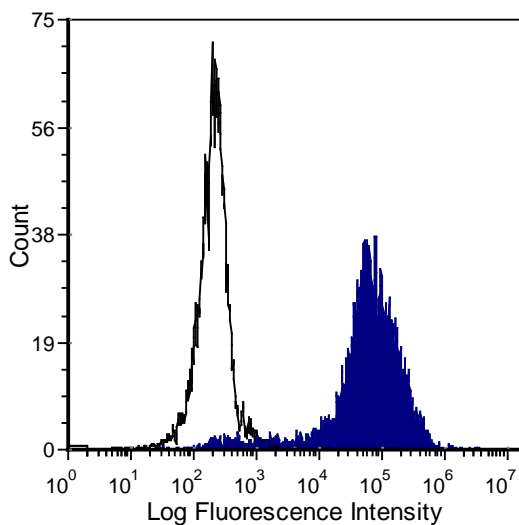
Cell Concentration: 1×10^6 cells per tests

Antibody Concentration Used: $0.1 \mu\text{g}/10^6$ cells,

Cell Source

Mesenteric Lymph Node

Percentage of cells stained above control:
99.8%



C3H/HE mouse splenocytes were stained with anti-CD45 (clone: IBL-5/25) (filled histogram) or rat IgG1 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:

1. Balazas M, Horvath G, Balogh P. Simple determination of donor/host origin and donor leukocyte subsets in rat-mouse chimeras. *J Immunol Methods*. 1998 218:117-21.
2. Balogh P, Kumanovics A, Juhasz I. Studies on the tissue-related phenotypic heterogeneity of murine B cells. *Dev Immunol*. 1998 6: 179-85.

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