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

**Anti-Human CD200
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL7669AP	Purified	250 µg	1.0 mg/ml	CLCR2A00
CL7669LE	Low Endotoxin	500 µg	1.0 mg/ml	CLCR2A00
CL7669B	Biotin	100 µg	0.1 mg/ml	CLCR2A00
CL7669F	FITC	100 µg	0.1 mg/ml	CLCR2A01
CL7669PE	PE	50 µg	0.1 mg/ml	CLCR2A04
CL7669APC	APC	100 µg	0.1 mg/ml	CLCR2A05
CL7669AF4	Alexa Fluor [®] 488	100 µg	0.1 mg/ml	N/A
CL7669AF6	Alexa Fluor [®] 647	100 µg	0.1 mg/ml	N/A

Alexa Fluor[®] is a registered trademark of Life Technologies Corporation.

Isotype: Rat IgG_{2a}

DESCRIPTION:

CD200, also known as OX-2, is a type-1 membrane glycoprotein that belongs to the immunoglobulin superfamily (IgSF). It's expressed on several tissues including thymocytes, neurons, endothelium, follicular dendritic cells in all lymphoid organs, a subset of CD34+ progenitor cells, and at low levels on some smooth muscle and B lymphocytes. CD200 is not expressed on NK cells, monocytes, granulocytes, or platelets.

CD200 co-stimulates T-cell proliferation and may regulate myeloid cell activity in a variety of tissues. Additionally, interaction of CD200 with its receptor on macrophages induces a downregulation of macrophage activity in a variety of tissues, suggesting a regulatory function.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.

LE: Purified Ig buffered in PBS, no preservative, 0.2µm sterile filtered. (Purified from cell culture supernatant via Protein G Chromatography)

Biotin, FITC, PE, APC AF488 and AF647: Biotin/FITC/PE/APC/AF488/AF647 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 APC, PE, AF488 and AF647 conjugates. For long term storage (**Purified, LE, Biotin and FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

Continued Overleaf.....

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SPECIFICATIONS:

Clone: 1B9

Immunogen: Human CD200-Fc fusion protein.

Specificity: This antibody is specific for human CD200.

TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

Cell Concentration: 1×10^6 cells per tests

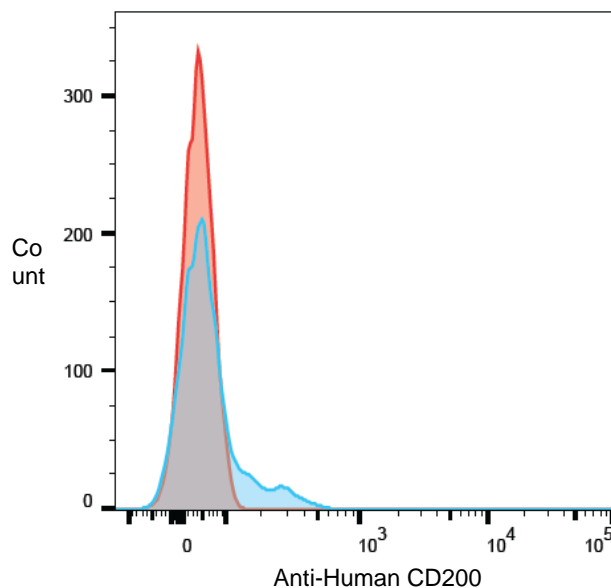
Antibody Concentration Used: $0.1 \mu\text{g}/10^6$ cells

Cell Source:

Human PBLs

Percentage of cells stained above control:

16.4 %



Human peripheral blood lymphocytes were stained with anti-CD200 (clone: 1B9) (blue histogram) or Rat IgG2a isotype control (red 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. Pallasch CP, et al. (2009) Disruption of T cell suppression in chronic lymphocytic leukemia by CD200 blockade. *Leuk Res*. 33(3):460-4.
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