



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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**Anti-Human CD200  
Monoclonal Antibody**

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

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

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

**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% NaN<sub>3</sub>. (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% 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 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:  $1 \times 10^6$  cells per tests

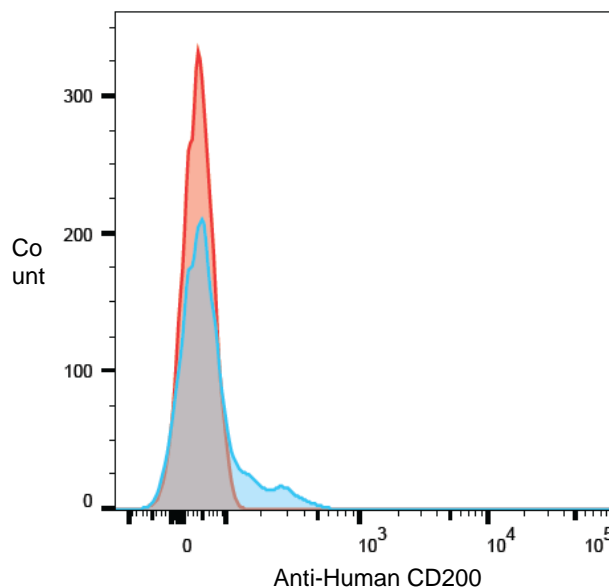
Antibody Concentration Used:  $0.1 \mu\text{g}/10^6$  cells

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:**

1. Chen DX, Gorczynski RM. (2005) Discrete monoclonal antibodies define functionally important epitopes in the CD200 molecule responsible for immunosuppression function. Transplantation. 79(3):282-8.
2. Pallasch CP, et al. (2009) Disruption of T cell suppression in chronic lymphocytic leukemia by CD200 blockade. Leuk Res. 33(3):460-4.
3. Wong KK, et al. (2010) The role of CD200 in immunity to B cell lymphoma. J Leukoc Biol. 88(2):361-72.
4. Wong KK, et al. (2012) Soluble CD200 is critical to engraft chronic lymphocytic leukemia cells in immunocompromised mice. Cancer Res. 72(19):4931-43.
5. Wong KK, et al. (2016) Characterization of CD200 Ectodomain Shedding. PLoS One. 11(4):e0152073.
6. Gorczynski RM, Zhu F. (2017) Checkpoint blockade in solid tumors and B-cell malignancies, with special consideration of the role of CD200. Cancer Manag Res. 9:601-609.
7. Zhu F, et al. (2018) An autologous tumor vaccine for CLL. Leuk Res. 68:40-47.
8. Chen Z, et al. (2018) Cell membrane-bound CD200 signals both via an extracellular domain and following nuclear translocation of a cytoplasmic fragment. Leuk Res. 69:72-80.

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