

## Purified anti-human CD200 (OX2)

**Catalog # / Size:** 329201 / 25 µg  
329202 / 100 µg

**Clone:** OX-104

**Isotype:** Mouse IgG1, κ

**Workshop Number:** VI 70655

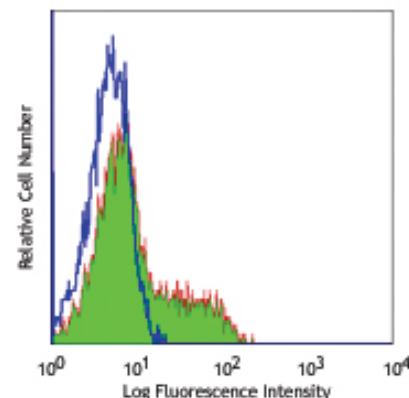
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C.



Human peripheral blood lymphocytes stained with purified OX-104, followed by anti-mouse IgG FITC

## Applications:

**Applications:** FC - *Quality tested*  
IHC - *Reported in the literature*

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤2.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunohistochemistry of formalin-fixed paraffin-embedded sections<sup>1</sup> and acetone-fixed frozen sections, and blocking of CD200 interaction with CD200R.

**Application References:** 1. Palumbo GA, et al. 2009. *Leuk Res.* 33:1212. (IHC)  
2. Foster-Cuevas M, et al. 2004. *J. Virol.* 78:7667. (FC)

**Description:** CD200, also known as OX2, is a member of the immunoglobulin superfamily (IgSF). It is a monomorphic cell surface glycoprotein that is expressed on 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. It is not expressed on NK cells, monocytes, granulocytes, or platelets. CD200 costimulates T cell proliferation. It may regulate myeloid cell activity in a variety of tissues. The interaction between CD200 (OX2) and CD200 receptor (OX2R) system is of importance in the control of macrophage and granulocyte activation, which may contribute to pathways that suppress and limit macrophage induced inflammatory damage in tissue.

**Antigen References:** 1. Wright GJ, et al. 2001. *Immunol.* 102:173.  
2. Foster-Cuevas M, et al. 2004. *J. Virol.* 78:7667.  
3. Mason D, et al. 2002. ed. *Leukocyte Typing VII*. New York:Oxford Univ. Press.  
4. Broderick C, et al. 2002. *Am. J. Pathol.* 161:1669.

### Related Products:

**Product**  
Purified Mouse IgG1, κ Isotype Ctrl  
Cell Staining Buffer  
RBC Lysis Buffer (10X)

**Clone**  
MG1-45

**Application**  
FC, ICC, ICFC, IF, IHC, IP, WB  
FC, ICC, ICFC  
FC, ICFC



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