

## PE anti-human CD200 (OX2)

**Catalog # / Size:** 329205 / 25 tests  
329206 / 100 tests

**Clone:** OX-104

**Isotype:** Mouse IgG1,  $\kappa$

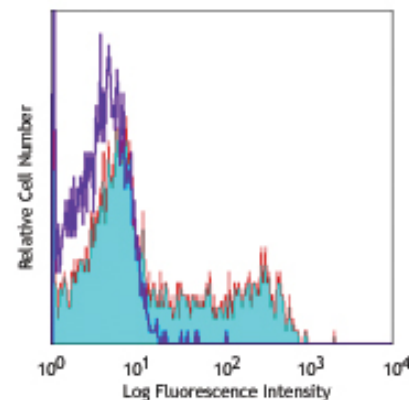
**Workshop Number:** VI 70655

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with OX-104 PE

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20  $\mu$ l to 5  $\mu$ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100  $\mu$ l staining volume or per 100  $\mu$ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at [www.biolegend.com/testsize](http://www.biolegend.com/testsize) regarding the test size change.

**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	Clone	Application
	PE Mouse IgG1, $\kappa$ Isotype Ctrl (FC)	MOPC-21	FC
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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