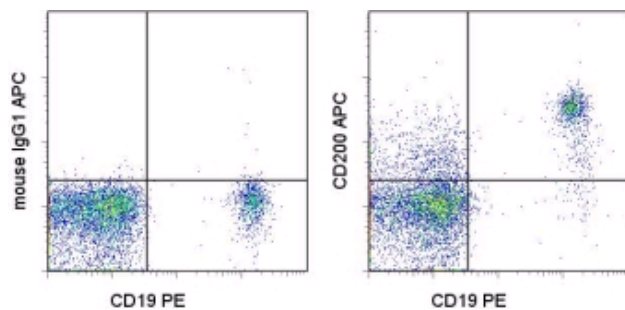


## Anti-Human CD200 APC

Catalog Number: 17-9200

Also Known As: ox-2

RUO: For Research Use Only



Staining of normal human peripheral blood cells with Anti-Human CD19 PE (cat. 12-0199) and 0.25 µg of Mouse IgG1 κ Isotype Control APC (cat. 17-4714) (left) or Anti-Human CD200 APC (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

Contents: Anti-Human CD200 APC


**REF** Catalog Number: 17-9200

Clone: OX104


Concentration: 5 µl (0.25 µg)/test


Host/Isotype: Mouse IgG1

Formulation: Phosphate buffered saline, pH 7.2, less than or equal to 0.09% NaN<sub>3</sub>, BSA and/or gelatin for protein stabilization

 Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

### Description

The monoclonal antibody OX104 recognizes human CD200 also known as OX2. CD200 is a member of the Ig superfamily with 2 Ig domains, a transmembrane and cytoplasmic domain. CD200 is expressed on resting and activated B cells, a subset of resting and activated T cells, keratinocytes, peripheral and central nerve cells, follicular dendritic cells and ovarian cells. The interaction with CD200R results in macrophage activation (IL-6 production), inhibition of mast cell degranulation along with reduced TNFα and IL-13 secretion and overall attenuation of the activation status of lymphocytes. A role has also been suggested in maternal tolerance as expression of CD200 is also present on the trophoblast.

### Applications Reported

For research use only, not for diagnostic or therapeutic use. This OX104 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This OX104 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µl (0.25 µg)/per test. A test is defined as the amount (µg)/test of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

### References

Wright GJ, Cherwinski H, Foster-Cuevas M, Brooke G, Puklavec MJ, Bigler M, Song Y, Jenmalm M, Gorman D, McClanahan T, Liu MR, Brown MH, Sedgwick JD, Phillips JH, Barclay AN. Characterization of the CD200 receptor family in mice and humans and their interactions with CD200. *J Immunol.* 2003 Sep 15;171(6):3034-46.

Barclay AN, Wright GJ, Brooke G, Brown MH. CD200 and membrane protein interactions in the control of myeloid cells. *Trends Immunol.* 2002 Jun;23(6):285-90. Review.

Wright GJ, Jones M, Puklavec MJ, Brown MH, Barclay AN. The unusual distribution of the neuronal/lymphoid cell surface CD200 (OX2) glycoprotein is conserved in humans. *Immunology.* 2001 Feb;102(2):173-9. (OX104, FC IHf, PubMed)

### Related Products

17-4714 Mouse IgG1 K Isotype Control APC

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