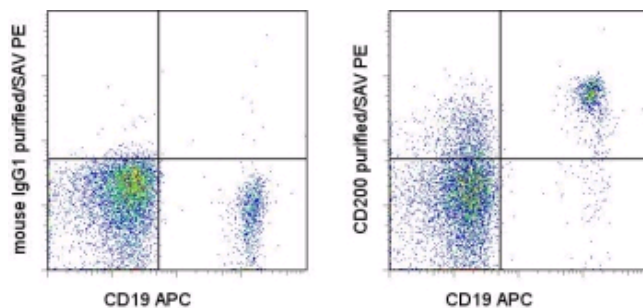


## Anti-Human CD200 Purified

Catalog Number: 14-9200

Also Known As: ox-2

RUO: For Research Use Only



Staining of normal human peripheral blood cells with Anti-Human CD19 APC (cat. 17-0199) and 0.125 µg of Mouse IgG1 κ Isotype Control Purified (cat. 14-4714) (left) or 0.125 µg of Anti-Human CD200 Purified (right) followed by Anti-Mouse IgG Biotin (cat. 13-4013) and Streptavidin PE (cat. 12-4317). Cells in the lymphocyte gate were used for analysis.

### Product Information

Contents: Anti-Human CD200 Purified


**REF** Catalog Number: 14-9200

Clone: OX104

Concentration: 0.5 mg/ml


Host/Isotype: Mouse IgG1

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

**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

This OX104 antibody has been reported for use in flow cytometric analysis, and immunohistology staining of frozen tissue sections.

### Applications Tested

This OX104 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### 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

14-4714 Mouse IgG1 K Isotype Control Purified

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