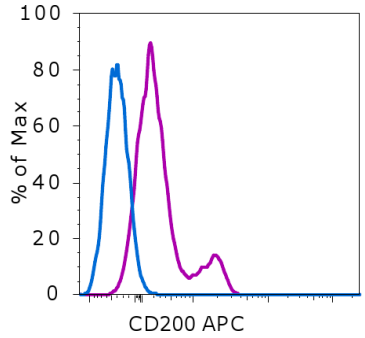
eBioscience® Dx
An Affymetrix Company

CD200 APC

Catalog Number: 8017-9200
Also known as: OX2

Analyte Specific Reagent (ASR): Analytical and performance characteristics are not established.



Fluorescence profiles of normal human peripheral blood lymphocytes unstained (blue histogram) or stained with CD200 APC (purple histogram).

Product Information

Contents: CD200 APC
Catalog Number: 8017-9200
Clone: OX104
Concentration: 5 uL (0.25 ug)/test (a test is defined as the amount that will stain 1 x 10e6 cells in 100 uL)
Host/Isotype: Mouse IgG1
Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.
Batch Code: Refer to vial
Analyte Specific Reagent
Manufacturer: eBioscience, Inc., 10255 Science Center Drive, San Diego, CA 92121, USA
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 TNF alpha 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.

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;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;23(6):285-90.

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;102(2):173-9.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com • info@ebioscience.com