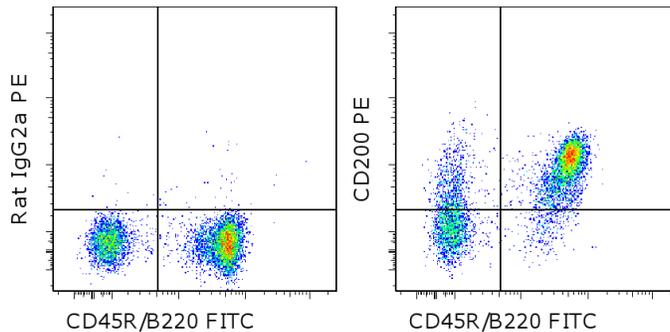


Anti-Mouse CD200 PE

Catalog Number: 12-5200

Also known as: OX2, OX-2

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of BALB/c splenocytes with Anti-Human/Mouse CD45R (B220) FITC (cat. 11-0452) and 0.125 μ g of Rat IgG2a K Isotype Control PE (cat. 12-4321) (left) or 0.125 μ g of Anti-Mouse CD200 PE (right). Total viable cells were used for analysis.

Product Information



Contents: Anti-Mouse CD200 PE

Catalog Number: 12-5200

Clone: OX90

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2a, kappa



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

Use By: Refer to vial

Contains sodium azide

Description

The monoclonal antibody OX90.1 recognizes mouse 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 α and IL-13 secretion and overall attenuation of the activation status of lymphocytes.

Applications Reported

This OX90 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This OX90 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Broderick C, Hoek RM, Forrester JV, Liversidge J, Sedgwick JD, Dick AD. Constitutive retinal CD200 expression regulates resident microglia and activation state of inflammatory cells during experimental autoimmune uveoretinitis. *Am J Pathol.* 2002 Nov;161(5):1669-77. (ox90.1, IHC paraffin and frozen, PubMed)

Hoek RM, Ruuls SR, Murphy CA, Wright GJ, Goddard R, Zurawski SM, Blom B, Homola ME, Streit WJ, Brown MH, Barclay AN, Sedgwick JD. Down-regulation of the macrophage lineage through interaction with OX2 (CD200). *Science.* 2000 Dec 1;290(5497):1768-71. (OX90.1, FC, IHf, PubMed)

Related Products

11-0452 Anti-Human/Mouse CD45R (B220) FITC (RA3-6B2)

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12-4321 Rat IgG2a K Isotype Control PE (eBR2a)

48-0032 Anti-Mouse CD3 eFluor® 450 (17A2)

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