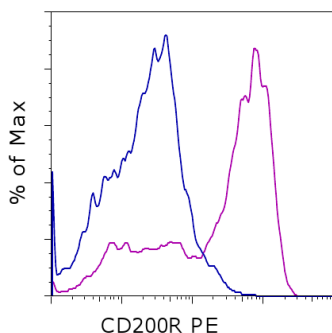


Anti-Mouse CD200 Receptor PE

Catalog Number: 12-5201

Also known as: CD200R, OX2R

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



Staining of mouse thioglycolate-induced peritoneal exudate cells with 0.125 ug of Rat IgG2a K Isotype Control PE (cat. 12-4321) (blue histogram) or 0.125 ug of Anti-Mouse CD200 Receptor PE (purple histogram). Total viable cells were used for analysis.

Product Information



Contents: Anti-Mouse CD200 Receptor PE

Catalog Number: 12-5201

Clone: OX110

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

Description

The monoclonal antibody OX110 recognizes mouse CD200R also known as OX2. CD200R is an inhibitory receptor with a similar structure as its ligand, CD200, yet lacks an ITIM domain typically found in inhibitory receptors. Instead the CD200R cytoplasmic domain contains a novel phosphotyrosine binding domain NPXY, which after binding SHIP inhibits ERK, JNK and MAPK p38 pathways. In activated macrophages signaling results in inhibition of TNF alpha secretion.

Expression is restricted to hematopoietic cells: myeloid cells (monocytes, macrophages, DCs, neutrophils, mast cells and basophils) and a subset of lymphocytes as well as langerhans (LC) cells and dendritic epidermal T cells.

Applications Reported

This OX110 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This OX110 antibody has been tested by flow cytometric analysis of mouse thioglycolate-elicited peritoneal 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 10⁵ to 10⁸ 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. (OX110, FC PubMed)

Related Products

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

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