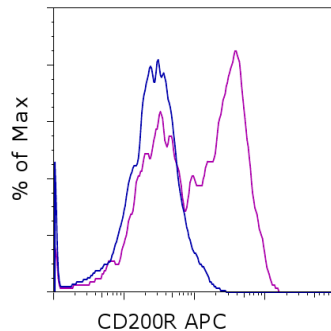


## Anti-Mouse CD200 Receptor APC

**Catalog Number:** 17-5201

**Also known as:** CD200R, OX2R

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



Staining of Fc-blocked mouse thioglycolate-induced peritoneal exudate cells with 0.125 ug of Rat IgG2a K Isotype Control APC (cat. 17-4321) (blue histogram) or 0.125 ug of Anti-Mouse CD200 Receptor APC (purple histogram). Total viable cells were used for analysis.

### Product Information



**Contents:** Anti-Mouse CD200 Receptor APC

**Catalog Number:** 17-5201

**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 Fc-blocked mouse thioglycolate-elicited peritoneal cells. This can be used at less than or equal to 0.25  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ 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

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

14-0161 Anti-Mouse CD16/CD32 Purified (93)

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17-4301 Rat IgG1 K Isotype Control APC

47-4801 Anti-Mouse F4/80 Antigen APC-eFluor® 780 (BM8)

48-0112 Anti-Mouse CD11b eFluor® 450 (M1/70)

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