

CD200 Receptor Monoclonal Antibody (OX110), APC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	OX110
Conjugate	APC
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10717289

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	2 Publications

Product Specific Information

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 TNFalpha 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.

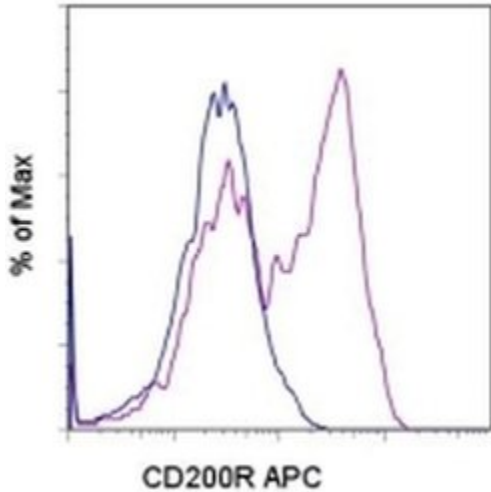
Applications Reported: This OX110 antibody has been reported for use in flow cytometric analysis.

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 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.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD200 Receptor Monoclonal Antibody (OX110), APC, eBioscience™



CD200 Receptor Antibody (17-5201-82) in Flow

Staining of Fc-blocked mouse thioglycolate-induced peritoneal exudate cells with 0.125 µg of Rat IgG2a K Isotype Control APC (Product # 17-4321-81) (blue histogram) or 0.125 µg of Anti-Mouse CD200 Receptor APC (purple histogram). Total viable cells were used for analysis.

2 References

Flow Cytometry (2)

PloS one

Ubiquitous Over-Expression of Chromatin Remodeling Factor SRG3 Ameliorates the T Cell-Mediated Exacerbation of EAE by Modulating the Phenotypes of both Dendritic Cells and Macrophages.

"17-5201 was used in Flow cytometry/Cell sorting to investigate the role of a SWI3-related gene in experimental autoimmune encephalomyelitis development."

Authors: Lee SW, Park HJ, Jeon SH, Lee C, Seong RH, Park SH, Hong S

Species
Mouse

Dilution
Not Cited

Year
2016

Stem cell reports

Murine iPSC-Derived Macrophages as a Tool for Disease Modeling of Hereditary Pulmonary Alveolar Proteinosis due to Csf2rb Deficiency.

"17-5201 was used in Flow cytometry/Cell sorting to describe a protocol to obtain mature and functional M from healthy as well as disease-specific murine iPSCs."

Authors: Mucci A, Kunkiel J, Suzuki T, Brenning S, Glage S, Kühnel MP, Ackermann M, Happel C, Kuhn A, Schambach A, Trapnell BC, Hansen G, Moritz T, Lachmann N

Species
Mouse

Dilution
Not Cited

Year
2016

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