

CD200 Receptor Monoclonal Antibody (OX110), PE, 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), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	OX110
Conjugate	PE
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_1582264

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	1 Publication

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 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.

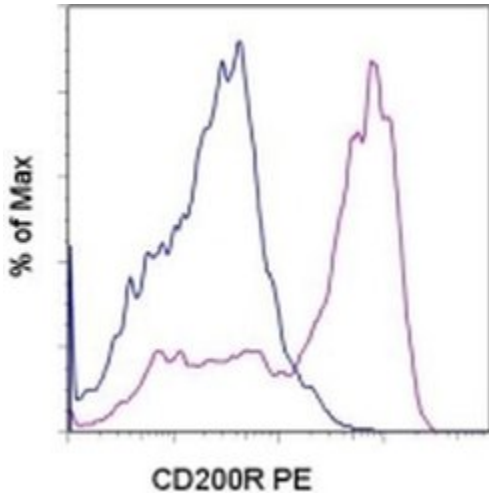
Applications Reported: This OX110 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This OX110 antibody has been tested by flow cytometric analysis of mouse thioglycolate-elicited peritoneal exudate 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: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD200 Receptor Antibody (12-5201-82) in Flow

Staining of mouse thioglycolate-induced peritoneal exudate cells with 0.125 µg of Rat IgG2a K Isotype Control PE (Product # 12-4321-80) (blue histogram) or 0.125 µg of Anti-Mouse CD200 Receptor PE (purple histogram). Total viable cells were used for analysis.

1 Reference

Flow Cytometry (1)

Journal of immunology (Baltimore, Md. : 1950)

CD326(lo)CD103(lo)CD11b(lo) dermal dendritic cells are activated by thymic stromal lymphopoietin during contact sensitization in mice.

"12-5201 was used in Flow cytometry/Cell sorting to identify a subset of dendritic cells which are highly responsive to cytokine thymic stromal lymphopoietin."

Authors: Ochiai S,Roediger B,Abtin A,Shklovskaya E,Fazekas de St Groth B,Yamane H,Weninger W,Le Gros G, Ronchese F

Species
Mouse

Dilution
Not Cited

Year
2014

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