

# CD200 Monoclonal Antibody (OX90), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotope	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	OX90
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_1907362

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

## Product Specific Information

**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 $\alpha$  and IL-13 secretion and overall attenuation of the activation status of lymphocytes.

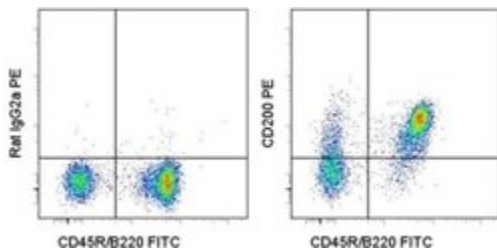
**Applications Reported:** This OX90 antibody has been reported for use in flow cytometric analysis.

**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 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 10<sup>5</sup> to 10<sup>8</sup> 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 Monoclonal Antibody (OX90), PE, eBioscience™



### CD200 Antibody (12-5200-82) in Flow

Staining of BALB/c splenocytes with Anti-Human/Mouse CD45R (B220) FITC (Product # 11-0452-82) and 0.125 µg of Rat IgG2a K Isotype Control PE (Product # 12-4321-80) (left) or 0.125 µg of Anti-Mouse CD200 PE (right). Total viable cells were used for analysis.

## 2 References

### Flow Cytometry (2)

eLife

#### Calcium-mediated shaping of naive CD4 T-cell phenotype and function.

"12-5200 was used in Flow cytometry/Cell sorting to demonstrate that calcium-mediated activation of the calcineurin pathway acts as a rheostat to shape the phenotype and effector potential of naive CD4 T cells in the steady-state."

Authors: Guichard V, Bonilla N, Durand A, Audemard-Verger A, Guilbert T, Martin B, Lucas B, Auffray C

Species

Mouse

Dilution

Not Cited

Year

2017

PLoS one

#### Highly upregulated Lhx2 in the Foxn1<sup>-/-</sup> nude mouse phenotype reflects a dysregulated and expanded epidermal stem cell niche.

"Published figure using CD200 monoclonal antibody (Product # 12-5200-82) in Flow Cytometry"

Authors: Bohr S, Patel SJ, Vasko R, Shen K, Huang G, Yarmush ML, Berthiaume F

Species

Not Applicable

Dilution

Not Cited

Year

2013

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.