

Product datasheet for **SM2095R**

Cd200r1 Rat Monoclonal Antibody [Clone ID: OX-110]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-110
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of neat antibody to label 1 ⁰ cells in 100 µl. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors. This may be reduced by appropriate blocking. Clone OX-110 has been used successfully for the immunohistochemical detection of CD200R expressing cells on acetone fixed cryosections of murine synovial tissue (Simelyte et al. 2008).
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Fusion protein mCD200RCD4d3+4.
Specificity:	This antibody recognises CD200R.
Formulation:	PBS containing 0.09% Sodium Azide, 5% Sucrose and 1% Bovine Serum Albumin Label: PE State: Lyophilized purified IgG fraction. Label: R. Phycoerythrin (RPE) Fluorophore Excitation (nm) Emission (nm) PE 488nm laser 496 578 PE 561nm laser 546 578
Reconstitution Method:	Restore with 1 ml distilled water
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.



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Stability: Shelf life: one year from despatch.

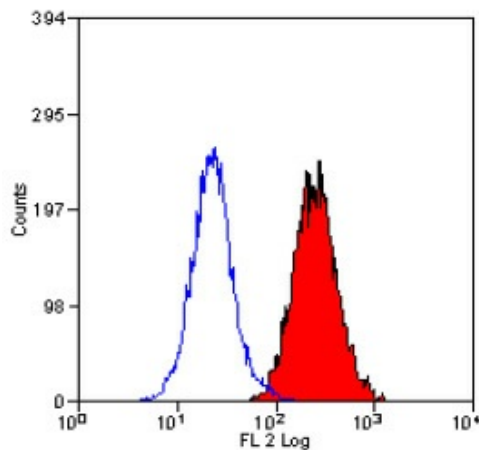
Gene Name: CD200 receptor 1

Database Link: [Entrez Gene 57781 Mouse Q9ES57](#)

Background: CD200R is a cell surface glycoprotein (also known as OX2R). Mouse CD200R is a 326 amino acid, ~48 kDa single pass type I transmembrane glycoprotein, expressed primarily by peripheral blood monocytes and neutrophils but also by other leucocytes including T-lymphocytes and mast cells ([Wright *et al.* 2003](#)). Studies suggest that CD200-CD200R interaction may be involved in the control of myeloid cellular function ([Minas and Liversidge 2006](#)).

Synonyms: CD200R1, CRTR2, MOX2R, OX2R, CD200 Receptor 1

Product images:



Staining of mouse peripheral blood granulocytes with RAT ANTI MOUSE CD200R: RPE.