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# Monoclonal Antibody to CD200 - PE

**Alternate names:** MOX1, MOX2, My033, OX-2 membrane glycoprotein

**Catalog No.:** SM1652RT

**Quantity:** 25 Tests

**Background:** CD200 also known as OX2 is expressed by splenic B lymphocytes, follicular dendritic cells, splenic endothelium and by neurons.
Recent studies have suggested that the CD200 - CD200 Ligand system is of importance in the control of macrophage and granulocyte activation.

**Uniprot ID:** O54901

**NCBI:** 10090

**Host / Isotype:** Rat / IgG2a

**Clone:** OX-90

**Immunogen:** Mouse CD200-rat CD4 fusion protein.
Spleen cells from immunised rats were fused with cells of the rat Y3 myeloma cell line.

**Format:** **State:** Lyophilized purified IgG fraction..
**Purification:** Affinity Chromatography on Protein G.
**Buffer System:** PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer.
**Label:** PE – R. Phycoerythrin (RPE)
**Reconstitution:** Restore with 0.25 ml disilled water

**Applications:** Flow Cytometry: Use 10 µl of neat antibody to label 10e6 cells or 100 µl whole blood.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** This antibody recognises CD200 cell surface antigen.
**Species:** Mouse.
Other species not tested.

**Storage:** Store the antibody undiluted Prior to and After reconstitution at 2-8°C.
**DO NOT FREEZE!**
Shelf life: one year from despatch.

**General References:**
1. Hoek, R.M. et al. (2000) Down-regulation of the macrophage lineage through interaction with OX2 (CD200). Science 290: 1768-1771.
2. Nathan, C. and Muller, W.A. (2001) Putting the brakes on innate immunity: a regulatory role for CD200. Nature Immunology 3: 17-19.
3. Broderick, C. et al. (2002) Constitutive retinal CD200 expression regulates resident microglia and activation state of inflammatory cells during Experimental Autoimmune Uvoretinitis. Am. J. Pathol. 161: 1699-1677.