

## Product datasheet for **SM294P**

### Cd200 Mouse Monoclonal Antibody [Clone ID: OX-2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-2
Applications:	FC, IHC, IP
Recommended Dilution:	Flow Cytometry: 1/50 - 1/100; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl; We recommend the use of SM294A for use in functional studies. Immunoprecipitation. Immunohistochemistry on frozen sections.
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat thymocyte membrane glycoproteins. Spleen cells from immunised BALB/c mice were fused with cells from the NS1 mouse myeloma cell line.
Specificity:	This antibody recognises the CD200 cell surface antigen, also known as OX-2. This product is routinely tested by flow cytometry on rat thymocytes.
Formulation:	PBS, pH7.4 containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Cd200 molecule
Database Link:	<a href="#">Entrez Gene 24560 Rat P04218</a>



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**Background:** CD200 is a type I membrane glycoprotein, expressed on rat thymocytes, neurons, follicular dendritic cells, endothelium and at low levels on some B cells and smooth muscle cells. Studies have indicated that the CD200-CD200 ligand system is important in the control of macrophage and granulocyte activation and that this antibody blocks OX-2 mediated T cell costimulation.

**Synonyms:** OX-2 membrane glycoprotein, MOX1, MOX2, My033