

## Product datasheet for **TA363845**

### Cd200 Rat Monoclonal Antibody [Clone ID: OX-90]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-90
Applications:	ELISA, IHC
Recommended Dilution:	Tested for immunohistochemistry (IHC); has been described to work in FACS and ELISA.. Approximate working dilution for IHC: Frozen sections: 0.5µg/ml (1:800) Paraffin sections: does not react on routinely processed paraffin sections. Optimal dilutions should be determined by the end user. Suggested positive control: Mouse spleen.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant mouse CD200 (extracellular region)-rat CD4 (domains 3 & 4) fusion protein.
Specificity:	Mouse: CD200 positive cells Other species: not tested

**Epitope:** The epitope has not been further characterized.

**Distribution:** Tissue Sections: The antigen is expressed on CD200 positive cells including thymocytes, some T cells, endothelial and follicular dendritic cells, and brain tissue (neurons).

**Formulation:** Affinity purified, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.09% sodium azide as a preservative.

**Concentration:** N/A

**Conjugation:** Unconjugated

**Storage:** Original vial: 1 year at 4° - 8°C. Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.

**Gene Name:** CD200 antigen

**Database Link:** [Entrez Gene 17470 Mouse O54901](#)



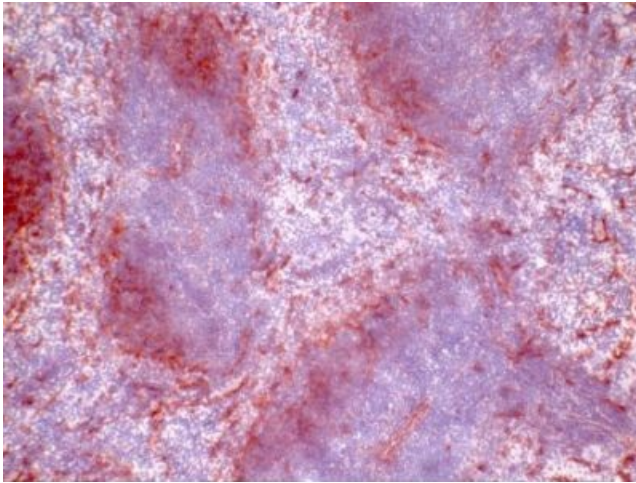
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**Background:**

Monoclonal antibody OX-90 reacts with CD200 (OX-2 antigen), a type-1 membrane glycoprotein containing two extracellular Ig-like domains. The molecular weight of the OX-2 antigen is 41 to 47kDa. CD200 is expressed on thymocytes, neurons, B lymphocytes, splenic follicular dendritic cells and endothelium, and subsets of T lymphocytes and dendritic cells: The antigen is not expressed on NK cells, granulocytes, monocytes or macrophages. The CD200 receptor is restricted to myeloid cells, and it is believed that its engagement with CD200 results in the activation of anti-inflammatory pathways and the induction of immune tolerance.

**Synonyms:**

CD200R1; MOX1; MOX2; MOX2R; MRC; OX-2; OX2R

**Product images:**

TA363845, Clone OX-90, mouse spleen, frozen section