

Monoclonal Antibody to CD200 - FITC

Alternate names:	MOX1, MOX2, My033, OX-2 membrane glycoprotein
Catalog No.:	SM1652FT
Quantity:	25 µg
Concentration:	0.1 mg/ml
Background:	CD200 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:	054901
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: Liquid 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: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: Use 10 µl of neat-1/5 diluted antibody to label 10e6 cells in 100 µl. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. 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 at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	1. Heek, R.M. et al. (2000) Down-regulation of the macrophage lineage through interaction with OX2 (CD200). <i>Science</i> 290: 1768-1771. 2. Nathan, C. and Muller, W.A. (2001) Putting the brakes on innate immunity: a regulatory role for CD200. <i>Nature Immunology</i> 3: 17-19. 3. Broderick, C. et al. (2002) Constitutive retinal CD200 expression regulates resident

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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microglia and activation state of inflammatory cells during Experimental Autoimmune Uvoretinitis. Am. J. Pathol. 161: 1699-1677.

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