

Rat anti-Mouse CD200 Monoclonal Antibody | anti-CD200 antibody

Anti-Mouse CD200, Purified (Clone OX90) (rat IgG2a)

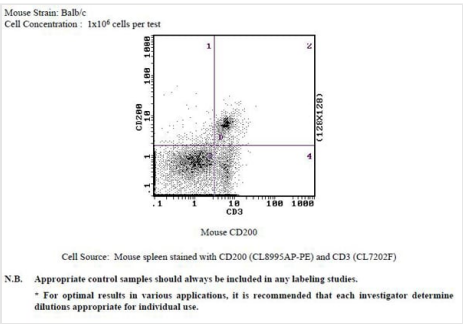
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14268	Rat	Mouse	Immunohistochemistry, ELISA

PRODUCT SYNONYMS

CD200; Monoclonal Antibody; Anti-Mouse CD200; Purified (Clone OX90) (rat IgG2a); Anti-Mouse CD200 (OX2) Monoclonal Antibody; anti-CD200 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2a
Clone Number	OX90
Specificity	CD200 (Mouse CD200 (OX2))
Form/Format	Purified
Concentration	Antibody Concentration: 0.1 mg/ml (varies by lot)
Sequence Length	269
Applicable Applications for anti-CD200 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	mouse CD200-rat CD4 fusion protein
Donor	Rat spleen
Fusion Partner	Y3 myeloma
Presentation	Purified IgG buffered in PBS and 0.02% NaN ₃ . (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.
Preparation and Storage	For all formats, store at 4 degree C. DO NOT FREEZE PE conjugates. For long term storage (Purified, Biotin and FITC), aliquot and freeze unused portion at -20 degree C in volumes appropriate for single usage. Avoid freeze/thaw cycles.



Application Data
Antibody Concentration Used: 1.0ug/ 10⁶ cells Secondary Antibody Used: Goat anti-rat PE 1:500 dil.

ADDITIONAL INFORMATION

Related Product Information for anti-CD200 antibody	anti-mouse CD200 monoclonal antibody reacts with CD200 (OX2), a highly conserved type I membrane glycoprotein that is expressed on a variety of cell types including thymocytes, some T cells, endothelial and follicular dendritic cells, and brain tissue (neurons). CD200 consists of 2 immunoglobulin (Ig) domains, a Cterminus transmembrane domain and a small cytoplasmic domain (19 aa) which lacks signaling motifs. CD200 is the ligand for CD200 receptor (CD200R), which is very similar in structure to CD200 except that it has a larger cytoplasmic domain (67 aa), and its expression is restricted to myeloid-derived antigen presenting cells (APC's) and certain populations of T cells. Blocking of CD200/CD200R interactions decreases myeloid cell inhibitory thresholds which results in enhanced immune activation. This clone is suitable for use in flow cytometry, immunohistochemistry (frozen sections) and ELISA.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119600082
NCBI GeneID	4345
UniProt Accession #	P41217; Q6J2Q6; Q6PIQ4; Q8TB85; Q9H3J3; B3KQI1; B4DLW9; D3DN65
Molecular Weight	31,264 Da
NCBI Official Full Name	CD200 antigen, isoform CRA_a
NCBI Official Synonym Full Names	CD200 molecule
NCBI Official Symbol	CD200
NCBI Official Synonym Symbols	MRC; MOX1; MOX2; OX-2
NCBI Protein Information	OX-2 membrane glycoprotein; CD200 antigen; MRC OX-2 antigen; antigen identified by monoclonal antibody MRC OX-2
UniProt Protein Name	OX-2 membrane glycoprotein
UniProt Gene Name	CD200
UniProt Synonym Gene Names	MOX1; MOX2
UniProt Entry Name	OX2G_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.