



Anti-CD200 monoclonal antibody, clone OX-2 (CABT-47291MR)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Mouse anti Rat CD200 antibody, clone OX-2 recognizes the rat CD200 cell surface antigen, also known as OX-2, 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. This product is routinely tested by flow cytometry on rat thymocytes. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.

Specificity	CD200
Immunogen	Rat thymocyte membrane glycoproteins
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat
Clone	OX-2
Conjugate	Unconjugated
Applications	IHC-Fr; IEM; FC; IF; IP
Format	Purified IgG - liquid
Size	100 µg
Preservative	See individual product datasheet
Storage	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may

denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Cd200 Cd200 molecule [Rattus norvegicus (Norway rat)]
Official Symbol	CD200
Synonyms	CD200; Cd200 molecule; Mox2; Cspmo2; MRCOX2; OX-2 membrane glycoprotein; Cd200 antigen; MRC OX-2 antigen; cell surface protein (thymocyte antigen identified by monoclonal antibody MRC-OX2);
Entrez Gene ID	24560
Protein Refseq	NP_113706
UniProt ID	P04218
Chromosome Location	11q21-q22
Pathway	Adaptive Immune System; Immune System; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell;