

CD200 Monoclonal Antibody (OX-2), Biotin

Catalog NumberMA5-17563

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Rat
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Monoclonal	Dilution *	
Type	Antibody	Flow Cytometry (Flow)	1.0 µg/1x10^6 cells
Clone	OX-2	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Rat thymocyte membrane glycoproteins were fused with mouse NS-1 myeloma cells.		
Conjugate	Biotin		
Form	Liquid		
Concentration	0.1 mg/mL		
Purification	Protein G		
Storage buffer	PBS with 4-5mg/mL BSA		
Contains	0.02% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Background/Target Information

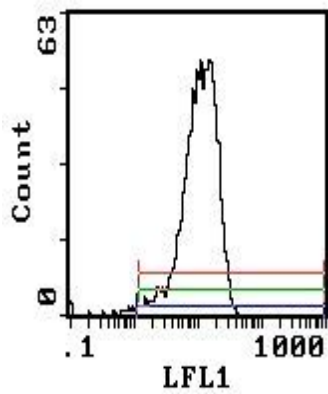
CD200 is a type-1 membrane glycoprotein that contains two immunoglobulin domains, and belongs to the immunoglobulin superfamily. CD200 is a broadly distributed cell surface glycoprotein that interacts with a receptor on myeloid cells (CD200R) and is implicated in locally preventing macrophage activation. Distant, but recognizable, homologues of CD200 have been identified in many herpesviruses and poxviruses. Studies of the related genes in mouse and rat suggest that CD200 may regulate myeloid cell activity and delivers an inhibitory signal for the macrophage lineage in diverse tissues. Multiple alternatively spliced transcript variants that encode different isoforms of CD200 have been found. Diseases associated with CD200 dysfunction include Mantle Cell Lymphoma and Primary Hypertrophic Osteoarthropathy.

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CD200 Antibody (MA5-17563) in Flow

Flow cytometric analysis of Thymus cells stained using anti-CD200/OX-2 Monoclonal Antibody (Product # MA5-17563) at a 1.0 µg/10⁶ cells dilution. The Isotype control was a Biotin Mouse IgG1

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