

## Mouse CD200 R3 PE-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: FAB6554P 100 TESTS

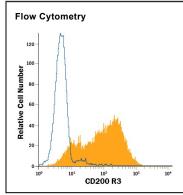
DESCRIPTION			
Species Reactivity	Mouse		
Specificity	Detects mouse CD200 R3 in flow cytometry.		
Source	Polyclonal Sheep IgG		
Purification	Antigen Affinity-purified		
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CD200 R3 Ser26-Ser245 Accession # Q5UKY4		
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm		
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.		
	*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.		

## APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

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	Recommended Concentration	Sample	
Flow Cytometry	10 μL/10 <sup>6</sup> cells	See Below	





Detection of CD200 R3 in MC/9-2 Mouse Cell Line by Flow Cytometry. MC/9-2 mouse mast cell line was stained with Sheep Anti-Mouse CD200 R3 PE-conjugated Antigen Affinity-purified Polyclonal Antibody (Catalog # FAB6554P, filled histogram) or isotype control antibody (Catalog # ICO16P, open histogram). View our protocol for Staining Membrane-associated Proteins.

## PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage

Protect from light. Do not freeze.

• 12 months from date of receipt, 2 to 8 °C as supplied.

## BACKGROUND

Mouse CD200 R3, also known as CD200RLb, is a 38-40 kDa type I transmembrane glycoprotein member of a small family of CD200R-related molecules. Family members named CD200R1-5 represent activating counterparts to CD200R that is a widely expressed inhibitory receptor for the ligand CD200. Consistent with other family members, CD200 R3 is a Ig-superfamily member with a V-type and C2-type Ig-like domain. But unlike other family members, it presents as a disulfide-linked homodimer that is highly spliced, poorly glycosylated, and shows an unusual modification of its C2-type Ig-like domain. It is expressed by mast cells, basophils, and CD49<sup>+</sup> regulatory dendritic cells. It does not bind CD200. When experimentally activated, it induces IL-4 production and degranulation. There is no direct human or rat counterpart to mouse CD200 R3.

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