

DESCRIPTION

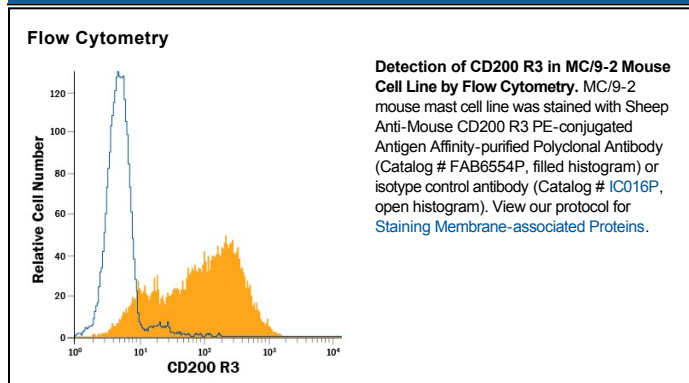
Species Reactivity	Mouse
Specificity	Detects mouse CD200 R3 in flow cytometry.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CD200 R3 Ser26-Ser245 Accession # Q5UKY4
Conjugate	Phycoerythrin Excitation Wavelength: 488 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.

	Recommended Concentration	Sample
Flow Cytometry	10 μ L/10 ⁶ cells	See Below

DATA



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⁺ 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.