

## DESCRIPTION

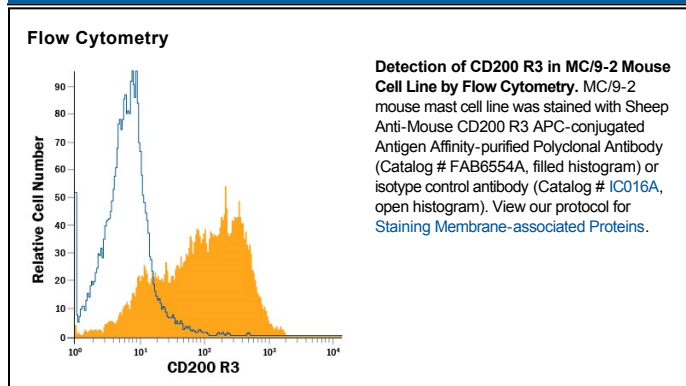
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse CD200 R3 in flow cytometry.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse CD200 R3 Ser26-Ser245 Accession # Q5UKY4
<b>Conjugate</b>	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
<b>Formulation</b>	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
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## 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.