

Datasheet for ABIN5526898  
**anti-CD200 antibody (FITC)**

## 4 Images

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## Overview

Quantity:	100 tests
Target:	CD200
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD200 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

## Product Details

Immunogen:	recombinant human CD200
Clone:	OX-104
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody OX-104 recognizes an extracellular epitope of CD200, a type-1 glycoprotein of the immunoglobulin superfamily, which is expressed in neurons, B and T cell subsets, keratinocytes, follicular dendritic cells, and ovarian cells.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

## Target Details

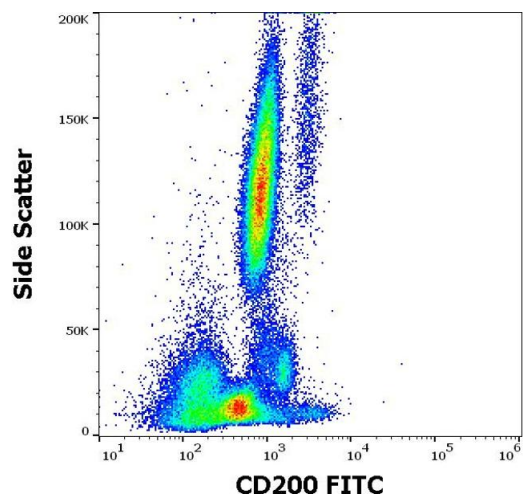
Target:	CD200
Alternative Name:	CD200 ( <a href="#">CD200 Products</a> )
Background:	CD200 Molecule,CD200 (also known as OX2 or MRC) is a type-1 membrane glycoprotein, which contains two extracellular immunoglobulin domains, transmembrane domain and cytoplasmic domain. It is expressed by neuronal cells, B and T cell subsets, follicular dendritic cells, keratinocytes, and ovarian cells. The interaction between CD200 and its receptor CD200R results in macrophage activation (IL-6 production), inhibition of mast cell degranulation along with reduced TNF-alpha and IL-13 secretion and overall attenuation of the activation status of lymphocytes. It seems CD200 is also involved in maternal tolerance and its decreased expression in hair follicle correlates with follicular miniaturization.,MRC, MOX, OX-2
Gene ID:	4345
UniProt:	<a href="#">P41217</a>

## Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µL reagent / 100 µL of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

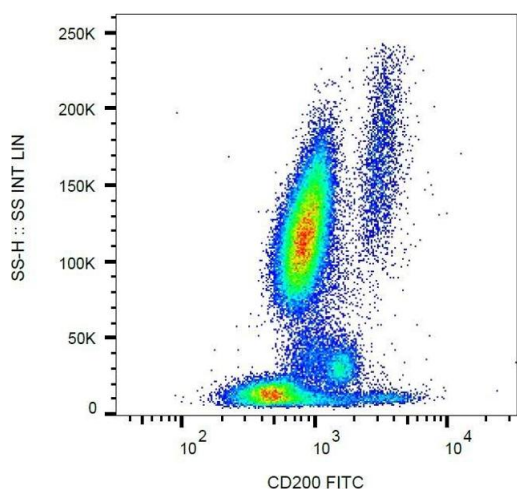
## Handling

Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



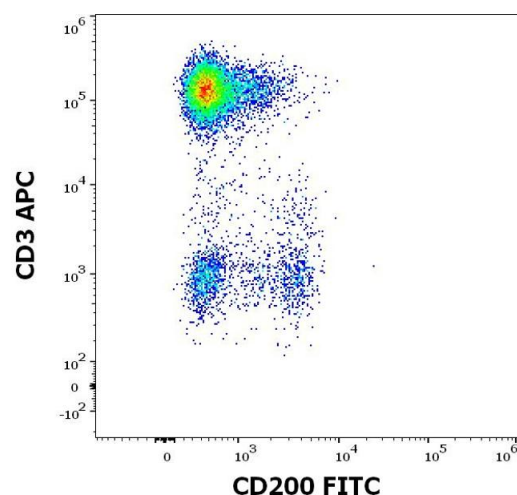
#### Flow Cytometry

**Image 1.** Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD200 (OX-104) FITC antibody (4  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).



#### Flow Cytometry

**Image 2.** Surface staining of CD200 in human peripheral blood with anti-CD200 (OX-104) FITC.



#### Flow Cytometry

**Image 3.** Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human CD200 (OX-104) FITC antibody (4  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood) and anti-human CD3 (UCHT1) APC antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5526898.