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Datasheet for ABIN6240832

## anti-CD200 antibody

### 3 Images

#### Overview

Quantity:	0.1 mg
Target:	CD200
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD200 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### 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 by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

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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

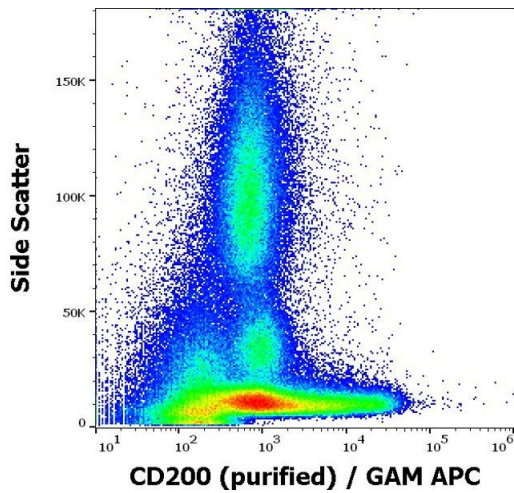
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Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL.
Restrictions:	For Research Use only

## Handling

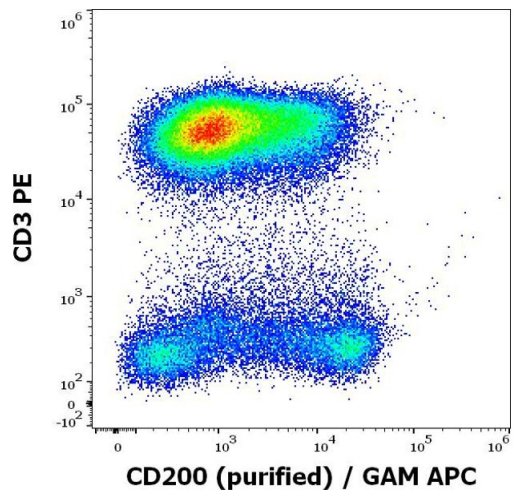
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Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



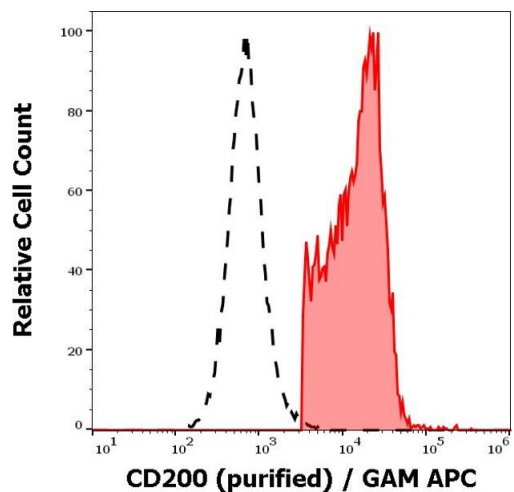
### Flow Cytometry

**Image 1.** Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD200 (OX-104) purified antibody (concentration in sample 4 µg/mL) GAM APC.



### Flow Cytometry

**Image 2.** Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human CD3 (UCHT1) PE antibody (20 µL reagent / 100 µL of peripheral whole blood) and anti-human CD200 (OX-104) purified antibody (concentration in sample 4 µg/mL) GAM APC.



### Flow Cytometry

**Image 3.** Separation of human CD200 positive CD3 negative lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD200 (OX-104) purified antibody (concentration in sample 4 µg/mL) GAM APC.