

## Anti-Hu CD200 Purified Monoclonal Antibody

Catalog Number: M01512

### About CD200

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.

### Overview

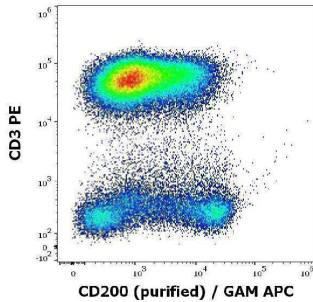
Product Name	Anti-Hu CD200 Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD200 Purified Monoclonal Antibody (Catalog# M01512). Tested in Flow Cytometry, IHC-P, IHC-F application(s). This antibody reacts with Human.
Application	Flow Cytometry, IHC-P, IHC-F
Clonality	Monoclonal OX-104
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P41217

### Technical Details

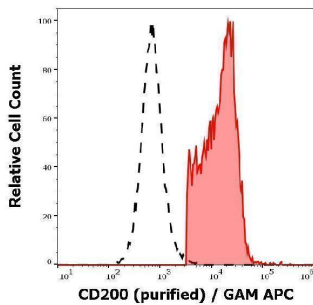
Immunogen	Recombinant human CD200. The mouse monoclonal antibody OX-104 recognizes an extracellular epitope of CD200, a type-1 glycoprotein of the immunoglobulin superfamily, which is expressed in neurons, B and T cell subsets, keratinocytes, follicular dendritic cells, and ovarian cells.
Predicted Reactive Species	Primate
Isotype	Mouse IgG1 kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Flow cytometry: 1-4 ug/ml.



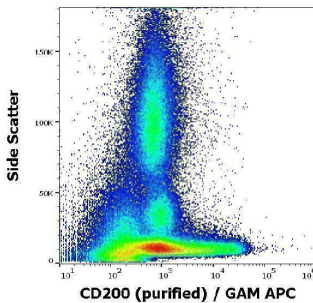
## Anti-Hu CD200 Purified Monoclonal Antibody (M01512) Images



Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human CD3 (UCHT1) PE antibody (20  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood) and anti-human CD200 (OX-104) purified antibody (concentration in sample 4  $\mu$ g/ml) GAM APC.



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  $\mu$ g/ml) GAM APC.



Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD200 (OX-104) purified antibody (concentration in sample 4  $\mu$ g/ml) GAM APC.

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