Technical Data Sheet

PE Mouse Anti-Human CD200

Product Information

Material Number: 552475
Alternate Name: OX-2; MOX1; MOX2; My033
Size: 100 Tests
Vol. per Test: 20 µl
Clone: MRC OX-104
Isotype: Mouse IgG1, κ
Reactivity: QC Testing: Human
Workshop: VII 70655; IX 40
Storage Buffer: Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

The MRC OX-104 monoclonal antibody specifically binds to CD200. CD200 is a 40-45 kDa type 1 transmembrane glycoprotein and is also referred to as OX2. CD200 is a member of the immunoglobulin superfamily of proteins. It contains two Ig domains, a single transmembrane region and a short cytoplasmic tail. CD200 is expressed on some dendritic cell subsets, and resting and activated T- and B-cells, but not on NK cells, monocytes, granulocytes, or platelets. It has been found on a subset of CD34+ progenitor cells. Interaction of CD200 with its receptor on macrophages induces a downregulation of macrophage activity in a variety of tissues, suggesting a regulatory function.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed. Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application
Flow cytometry Routinely Tested

Suggested Companion Products

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<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
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<tr>
<td>555749</td>
<td>PE Mouse IgG1, κ Isotype Control</td>
<td>100 Tests</td>
<td>MOPC-21</td>
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Product Notices

BD Biosciences

bdbiosciences.com

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552475 Rev. 4
1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use $1 \times 10^6$ cells in a 100-µl experimental sample (a test).

2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.


4. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.

5. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References


Mason D, David Mason ... et al., ed. Leucocyte typing VII : white cell differentiation antigens : proceedings of the Seventh International Workshop and Conference held in Harrogate, United Kingdom. Oxford: Oxford University Press; 2002(Clone-specific)
