# Purified Anti-Mouse CD200 Antibody[E10481R]

**catalog number:** **AN012020P**

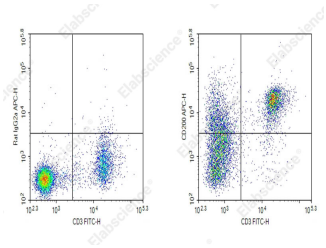
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

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|---|---|
| **Reactivity** | Mouse |
| **Immunogen** | Recombinant Mouse CD200 protein |
| **Host** | Rat |
| **Isotype** | Rat IgG2a, κ |
| **Clone** | E10481R |
| **Purification** | >98%, Protein A/G purified |
| **Conjugation** | Unconjugated |
| **Buffer** | Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling. |

| Applications | Recommended Dilution |
|---|---|
| **FCM** | 2 μg/mL($0.5\times10^6$-$1\times10^6$ cells) |

## Data



C57/BL6 Mouse splenocytes were stained with 0.2 μg Purified Anti-Mouse CD200 Antibody[E10481R](Right) and 0.2 μg Rat IgG2a, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Rat IgG Secondary Antibody, then anti-Mouse CD3 FITC-conjugated Monoclonal Antibody.

## Preparation & Storage

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|---|---|
| **Storage** | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. |
| **Shipping** | Ice bag |

## Background

CD200, also known as OX-2, is a 45 kDa transmembrane immunoregulatory protein that belongs to the immunoglobulin superfamily (1, 2). The human CD200 cDNA encodes a 278 amino acid (aa) precursor that includes a 30 aa signal sequence, a 202 aa extracellular domain (ECD), a 27 aa transmembrane segment, and a 19 aa cytoplasmic domain. Costimulates T-cell proliferation. May regulate myeloid cell activity in a variety of tissues (By similarity).


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