



1P-746-T025

Monoclonal Antibody to CD200 Phycoerythrin (PE) conjugated (25 tests)

Clone:	OX-104
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody OX-104 recognizes 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. HLDA VII; WS Code 70655
Immunogen:	Human CD200
Species Reactivity:	Human
Preparation:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer:	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (0.25 ml) is sufficient for 25 tests.
Expiration:	See vial label
Lot Number:	See vial label
Background:	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.

For laboratory research only, not for drug, diagnostic or other use.

**Antibodies****References:**

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