

ARG54292 anti-CD200 antibody [OX-104] (APC)

Package: 50 tests

Store at: 4°C

Summary

Product Description	APC-conjugated Mouse Monoclonal antibody [OX-104] recognizes CD200
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The clone 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.
Host	Mouse
Clonality	Monoclonal
Clone	OX-104
Isotype	IgG1
Target Name	CD200
Species	Human
Immunogen	Human CD200
Conjugation	APC
Alternate Names	OX-2; OX-2 membrane glycoprotein; MOX1; MOX2; CD antigen CD200; MRC

Application Instructions

Application table	Application	Dilution
	FACS	10 µl / 10 ⁶ cells

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification Note	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 4345 Human](#)

[Swiss-port # P41217 Human](#)

Gene Symbol

CD200

Gene Full Name

CD200 molecule

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.

Function

Costimulates T-cell proliferation. May regulate myeloid cell activity in a variety of tissues. [UniProt]

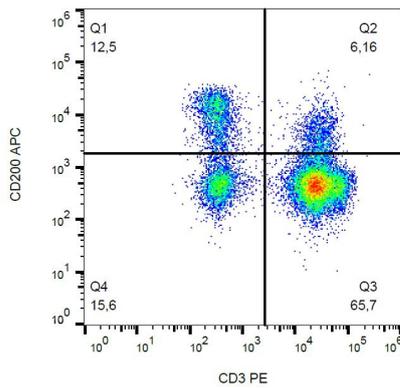
Research Area

Cell Biology and Cellular Response antibody; Immune System antibody

Calculated Mw

31 kDa

Images



ARG54292 anti-CD200 antibody [OX-104] (APC) FACS image

Flow Cytometry: Human peripheral blood stained with ARG54292 anti-CD200 antibody [OX-104] (APC) and anti-CD3 antibody (PE).