

ARG22996 anti-CD200R antibody [OX-110]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [OX-110] recognizes CD200R Rat anti Mouse CD200R antibody, clone OX-110 recognizes mouse CD200R, a cell surface glycoprotein (also known as OX2R. Mouse CD200R is a 326 amino acid, ~48 kDa single pass type I transmembrane glycoprotein, expressed primarily by peripheral blood monocytes and neutrophils but also by other leucocytes including T-lymphocytes and mast cells (Wright et al.2003). Studies suggest that CD200-CD200R interaction may be involved in the control of myeloid cellular function (Minas and Liversidge 2006).Rat anti Mouse CD200R antibody, clone OX-110 has been used successfully for the immunohistochemical detection of CD200R expressing cells on acetone fixed cryosections of murine synovial tissue (Simelyte et al. 2008).
Tested Reactivity	Ms
Tested Application	FACS
Host	Rat
Clonality	Monoclonal
Clone	OX-110
Isotype	IgG2a
Target Name	CD200R
Species	Mouse
Immunogen	Fusion protein mCD200RCD4d3+4
Conjugation	Un-conjugated
Alternate Names	MOX2R; Cell surface glycoprotein CD200 receptor 1; CD200R; Cell surface glycoprotein OX2 receptor 1; OX2R; HCRTR2; CD200 cell surface glycoprotein receptor

Application Instructions

Application table	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #f2f2f2;"> <th style="text-align: left;">Application</th> <th style="text-align: left;">Dilution</th> </tr> </thead> <tbody> <tr> <td>FACS</td> <td>Neat</td> </tr> </tbody> </table>	Application	Dilution	FACS	Neat
Application	Dilution				
FACS	Neat				
Application Note	FACS: Use 10 µl of the suggested working dilution to label 10 ⁶ cells in 100 µl * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

Properties

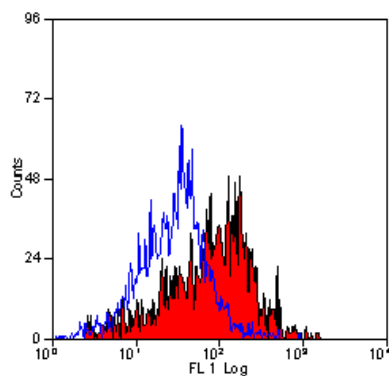
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% Sodium azide
Preservative	0.09% Sodium azide
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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

Gene Symbol	Cd200r1
Gene Full Name	CD200 receptor 1
Background	This gene encodes a receptor for the OX-2 membrane glycoprotein. Both the receptor and substrate are cell surface glycoproteins containing two immunoglobulin-like domains. This receptor is restricted to the surfaces of myeloid lineage cells and the receptor-substrate interaction may function as a myeloid downregulatory signal. Mouse studies of a related gene suggest that this interaction may control myeloid function in a tissue-specific manner. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]
Function	Inhibitory receptor for the CD200/OX2 cell surface glycoprotein. Limits inflammation by inhibiting the expression of proinflammatory molecules including TNF-alpha, interferons, and inducible nitric oxide synthase (iNOS) in response to selected stimuli. Also binds to HHV-8 K14 viral CD200 homolog with identical affinity and kinetics as the host CD200. [UniProt]
Calculated Mw	37 kDa
PTM	The mature form of isoform 2 and/or isoform 4 starts at sequence position 27 of the corresponding isoform.

Images



ARG22996 anti-CD200R antibody [OX-110] FACS image

Flow Cytometry: Mouse peritoneal macrophages stained with ARG22996 anti-CD200R antibody [OX-110].