

## ARG22525 anti-CD200R antibody [OX-102] (FITC)

Package: 50 µg  
Store at: 4°C

### Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [OX-102] recognizes CD200R This antibody recognizes the rat OX2 (CD200) receptor 1. This antigen is a heavily glycosylated ~60-100 kDa cell surface molecule expressed by cells of the myeloid lineage but not by T or B lymphocytes. Mouse anti Rat CD200 Receptor 1 antibody, clone OX-102 has been shown to block the interaction of OX2 receptor 1 with CD200 (Bushell et al. 2008).
Tested Reactivity	Rat
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	OX-102
Isotype	IgG1
Target Name	CD200R
Species	Rat
Immunogen	Membrane fraction of thioglycollate-elicited rat peripheral cells.
Conjugation	FITC
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	Application	Dilution
	FACS	Neat - 1:10

**Application Note**  
FACS: Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.  
\* 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, 0.09% Sodium azide and 1% BSA.
Preservative	0.09% Sodium azide
Stabilizer	1% BSA
Concentration	0.1 mg/ml
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

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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	~ 60 - 100 kDa
PTM	The mature form of isoform 2 and/or isoform 4 starts at sequence position 27 of the corresponding isoform.