

## ARG22524 anti-CD200R antibody [OX-102] (low endotoxin)

Package: 250 µg  
Store at: -20°C

### Summary

<b>Product Description</b>	Azide free and low endotoxin 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).
<b>Tested Reactivity</b>	Rat
<b>Tested Application</b>	FACS, FuncSt, IHC-Fr, IP, WB
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OX-102
<b>Isotype</b>	IgG1
<b>Target Name</b>	CD200R
<b>Species</b>	Rat
<b>Immunogen</b>	Membrane fraction of thioglycollate-elicited rat peripheral cells.
<b>Conjugation</b>	Un-conjugated
<b>Alternate Names</b>	MOX2R; Cell surface glycoprotein CD200 receptor 1; CD200R; Cell surface glycoprotein OX2 receptor 1; OX2R; HCRTR2; CD200 cell surface glycoprotein receptor

### Application Instructions

<b>Application table</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Application</th> <th>Dilution</th> </tr> </thead> <tbody> <tr> <td>FACS</td> <td>Neat - 1:10</td> </tr> <tr> <td>FuncSt</td> <td>Assay-dependent</td> </tr> <tr> <td>IHC-Fr</td> <td>Assay-dependent</td> </tr> <tr> <td>IP</td> <td>Assay-dependent</td> </tr> <tr> <td>WB</td> <td>Assay-dependent</td> </tr> </tbody> </table>	Application	Dilution	FACS	Neat - 1:10	FuncSt	Assay-dependent	IHC-Fr	Assay-dependent	IP	Assay-dependent	WB	Assay-dependent
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<b>Application Note</b>	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

<b>Form</b>	Liquid
<b>Purification</b>	Purification with Protein G.
<b>Purification Note</b>	Low endotoxin

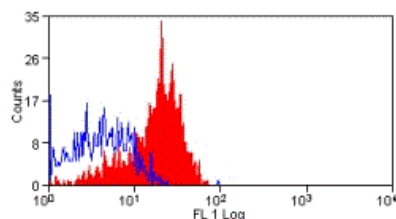
Buffer	PBS
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to 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	~ 60 - 100 kDa
PTM	The mature form of isoform 2 and/or isoform 4 starts at sequence position 27 of the corresponding isoform.

## Images

ARG22524 anti-CD200R antibody [OX-102] (low endotoxin) FACS image



Flow Cytometry: Rat Peritoneal Macrophages stained with ARG22524 anti-CD200R antibody [OX-102] (low endotoxin).