

# Brilliant Violet 421™ anti-human CD200R Antibody

<b>Catalog# / Size</b>	329313 / 25 tests 329314 / 100 tests
<b>Clone</b>	OX-108
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	CD200R1, MOX2R, Orexin Receptor 2 (OX2R), CD200 Receptor
<b>Isotype</b>	Mouse IgG1, κ
<b>Description</b>	CD200R, also known as OX2R, is a membrane glycoprotein with up to 70% of its weight derived from N-linked glycosylation. CD200R is expressed primarily by monocytes and neutrophils, but also by other leukocytes including T cells and mast cells. The interaction between CD200 and CD200R may contribute to pathways that suppress and limit macrophage induced inflammatory damage in tissues.

## Product Details

<b>Verified Reactivity</b>	Human
<b>Reported Reactivity</b>	Baboon
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Human CD200R full length fusion protein
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions.
<b>Concentration</b>	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our <a href="#">Certificate of Analysis</a> online tool.)
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	<p>Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a>. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.</p> <p>Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.</p> <p><a href="#">Learn more about Brilliant Violet™.</a></p> <p>This product is subject to proprietary rights of Sirigen Inc. and is made and sold under license from Sirigen Inc. The purchase of this product conveys to the buyer a non-transferable right to use the purchased product for research purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.</p>
<b>Excitation Laser</b>	Violet Laser (405 nm)
<b>Application References</b>	1. Wright GJ, <i>et al.</i> 2003. <i>J. Immunol.</i> 171:3034.

Product Citations

1. Shafiei-Jahani P, *et al.* 2021. Nat Commun. 12:2526. [PubMed](#)

RRID

AB\_2800856 (BioLegend Cat. No. 329313)  
AB\_2800856 (BioLegend Cat. No. 329314)

Antigen Details

Structure	Immunoglobulin superfamily glycoprotein.
Distribution	Monocytes, neutrophils, T cells, mast cells.
Ligand/Receptor	CD200, OX2.
Cell Type	Mast cells, Monocytes, Neutrophils, T cells
Biology Area	Cell Biology, Immunology, Inhibitory Molecules, Innate Immunity, Neuroscience, Neuroscience Cell Markers
Molecular Family	CD Molecules
Antigen References	1. Wright GJ, <i>et al.</i> 2003. <i>J. Immunol.</i> 171:3034. 2. Gorczynski R, <i>et al.</i> 2004. <i>J. Immunol.</i> 172:7744.
Gene ID	<a href="#">131450</a>

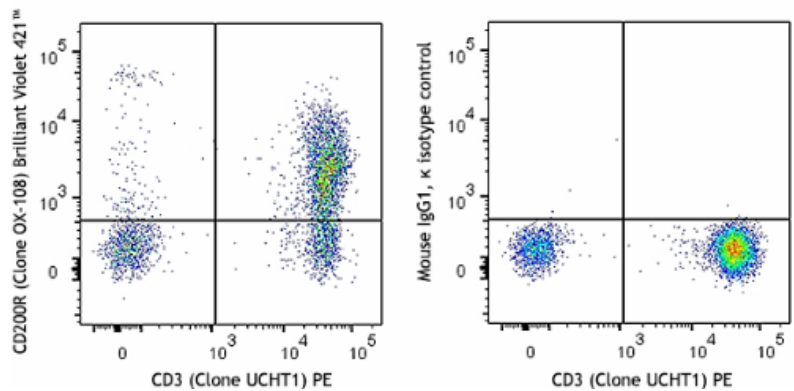
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD200R, PE anti-human CD200R, APC anti-human CD200R, PE/Dazzle™ 594 anti-human CD200R, PE/Cyanine7 anti-human CD200R, Brilliant Violet 421™ anti-human CD200R, Ultra-LEAF™ Purified anti-human CD200R, TotalSeq™-C1143 anti-human CD200R, TotalSeq™-B1143 anti-human CD200R

Product Data



Human peripheral blood lymphocytes were stained with CD3 (clone UCHT1) PE and CD200R (clone OX-108) Brilliant Violet 421™ (left) or Mouse IgG1, κ Brilliant Violet 421™ isotype control (right).

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