

## Product datasheet

# Anti-CD200 / OX2 antibody [MRC OX-2] - BSA and Azide free ab244560

1 Image

### Overview

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<b>Product name</b>	Anti-CD200 / OX2 antibody [MRC OX-2] - BSA and Azide free
<b>Description</b>	Mouse monoclonal [MRC OX-2] to CD200 / OX2 - BSA and Azide free
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Rat
<b>Immunogen</b>	Tissue, cells or virus corresponding to Rat CD200/ OX2. Rat thymocyte membrane glycoprotein.
<b>Positive control</b>	Flow Cyt: Lewis rat splenocytes.
<b>General notes</b>	ab244560 is the carrier-free version of <a href="#">ab22353</a> .

This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact [orders@abcam.com](mailto:orders@abcam.com).

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purified from TCS.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	MRC OX-2
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab244560 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use a concentration of 0.2 µg/ml.

## Target

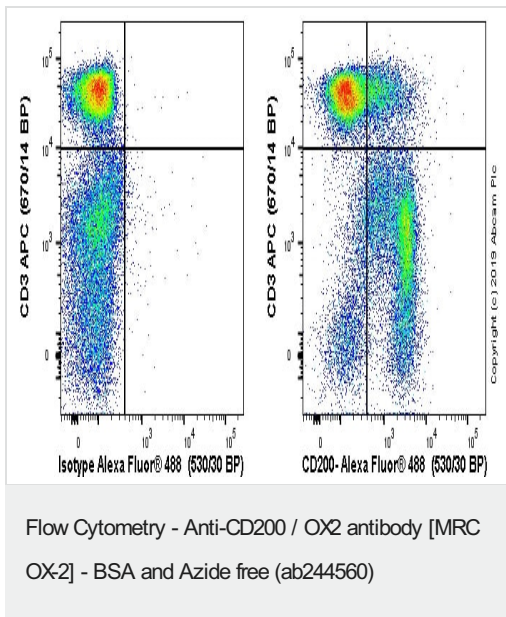
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<b>Function</b>	Costimulates T-cell proliferation. May regulate myeloid cell activity in a variety of tissues.
<b>Sequence similarities</b>	Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
<b>Cellular localization</b>	Cell membrane.

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## Images

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This data was generating using the same clone in a different formulation (**ab22353**).

Lewis rat splenocytes stained with **ab22353** (right) or mouse IgG1k (left). Lewis rat splenocytes were incubated for 30 min on ice in 10% rat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (**ab22353**) or mouse IgG1k Isotype (**ab170190**) ( $1 \times 10^6$  in 100 $\mu$ l at 0.2  $\mu$ g/ml) for 30 min on ice.

The secondary antibody Goat Anti-Mouse IgG H&L (Alexa Fluor<sup>®</sup> 488, pre-adsorbed) (**ab150117**) was used at 1/2000 dilution for 30 min at 4°C. The cells were simultaneously stained with CD3 APC antibody.

Acquisition of >30,000 events were collected using a 50 mW Blue laser (488nm) and 530/30 bandpass filter. Events were gated on viable lymphocytes.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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