

## Product datasheet

# Anti-CD53 antibody [MRC OX-44] ab22383

2 References 1 Image

### Overview

<b>Product name</b>	Anti-CD53 antibody [MRC OX-44]
<b>Description</b>	Mouse monoclonal [MRC OX-44] to CD53
<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 CD53. T lymphocytes from a mixed lymphocyte reaction between purified rat T helper cells and irradiated semiallogeneic rat spleen
<b>Positive control</b>	Flow Cyt: Lewis rat splenocytes.
<b>General notes</b>	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <p>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.</p> <p>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&amp;As</p>

### Properties

<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 -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p>
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purified from TCS.
<b>Primary antibody notes</b>	The antibody recognises the rat equivalent of human CD11b, the receptor for the iC3b component of complement. The antigen is expressed on most macrophages, including resident and activated peritoneal macrophages and Kupffer cells and around 35% of alveolar macrophages. The

antibody also labelled dendritic cells, granulocytes and microglial cells in the brain.

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	MRC OX-44
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

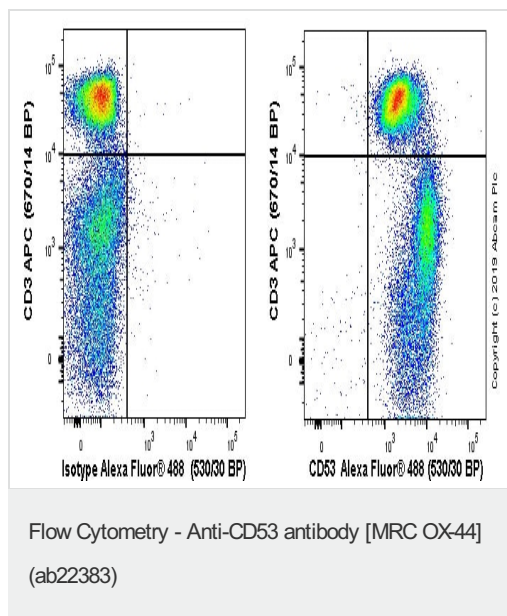
**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab22383 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

## Target

<b>Function</b>	May be involved in growth regulation in hematopoietic cells.
<b>Tissue specificity</b>	B-cells, monocytes, macrophages, neutrophils, single (CD4 or CD8) positive thymocytes and peripheral T-cells.
<b>Sequence similarities</b>	Belongs to the tetraspanin (TM4SF) family.
<b>Cellular localization</b>	Membrane.

## Images



Lewis rat splenocytes stained with ab22383 (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 (ab22383) or mouse IgG1k Isotype ([ab170190](#)) ( $1 \times 10^6$  in 100µl at 0.2 µg/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.

## **Our Abpromise to you: Quality guaranteed and expert technical support**

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- 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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors