

## Product datasheet

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

## 2 References

### Overview

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<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, IHC-Fr, IHC-P, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Rat
<b>Immunogen</b>	Tissue/ cell preparation (Rat).Rat T cell blasts
<b>Epitope</b>	Clone OX-44 recognises a conformational epitope that is dependent on disulphide bonding.
<b>General notes</b>	<p>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.</p>

### 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 -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.09% Sodium Azide Constituents: PBS, pH 7.4
<b>Purity</b>	IgG fraction
<b>Primary antibody notes</b>	<p>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.</p>
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	MRC OX-44
<b>Myeloma</b>	NS0
<b>Isotype</b>	IgG1

## Applications

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
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Flow Cyt		1/100 - 1/200. Use 10µl of the suggested working dilution to label 106 cells in 100µl.
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[ab170190](#) - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

IHC-Fr		Use at an assay dependent concentration.
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IHC-P		Use at an assay dependent concentration. ab22383 requires protein digestion pre-treatment of paraffin sections e.g. trypsin or pronase.
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IP		Use at an assay dependent concentration.
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## Target

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