abcam

Product datasheet

Anti-CD53 antibody [MRC OX-44] ab22383

2 References

Overview

Product name	Anti-CD53 antibody [MRC OX-44]
Description	Mouse monoclonal [MRC OX-44] to CD53
Host species	Mouse
Tested applications	**Suitable for:** Flow Cyt, IHC-Fr, IHC-P, IP
Species reactivity	**Reacts with:** Rat
Immunogen	Tissue/ cell preparation (Rat).Rat T cell blasts
Epitope	Clone OX-44 recognises a conformational epitope that is dependent on disulphide bonding.
General notes	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.

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: PBS, pH 7.4
Purity	IgG fraction
Primary antibody notes	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.
Clonality	Monoclonal
Clone number	MRC OX-44
Myeloma	NS0
Isotype	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
Flow Cyt		1/100 - 1/200. Use 10µl of the suggested working dilution to label 10^6 cells in 100µl. ab170190-Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-Fr		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. ab22383 requires protein digestion pre-treatment of paraffin sections e.g. trypsin or pronase.
IP		Use at an assay dependent concentration.

Target

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

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