

Product datasheet

Anti-Monocyte + Macrophage antibody [MOMA-2] ab33451

★★★★★ 3 Abreviews 76 References

Overview

Product name	Anti-Monocyte + Macrophage antibody [MOMA-2]
Description	Rat monoclonal [MOMA-2] to Monocyte + Macrophage
Host species	Rat
Specificity	This antibody recognises an intracellular antigen of mouse macrophages and monocytes. It reacts strongly with macrophages in lymphoid organs in all mouse strains tested. Staining may also be seen on the epithelium of mucosa.
Tested applications	Suitable for: IHC-Fr, IHC-P, IHC-FoFr, Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	Tissue, cells or virus corresponding to Mouse Monocyte + Macrophage. Mouse lymph node stroma.
General notes	<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&As</p>

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 long term.
Storage buffer	Preservative: 0.09% Sodium azide
Purity	Protein G purified
Clonality	Monoclonal
Clone number	MOMA-2
Isotype	IgG2b

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab33451 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
IHC-Fr	★★★★★ (2)	Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. PubMed: 24449804
IHC-FoFr	★★★★★ (1)	Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. Membrane permeabilisation is required for this application. ab18536 - Rat monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

Target

Relevance

Monocyte and macrophage are white blood cells that roam the body tissues engulfing foreign organisms. A monocyte is a leukocyte, part of the human body's immune system that protects against blood-borne pathogens and moves quickly (aprox. 8-12 hours) to sites of infection in the tissues. Monocytes are usually identified in stained smears by their large bi-lobed nucleus. Macrophages are cells within the tissues that originate from specific white blood cells called monocytes. Monocytes and macrophages are phagocytes, acting in both nonspecific defense (or innate immunity) as well as specific defense (or cell-mediated immunity) of vertebrate animals. Their role is to phagocytize (engulf and then digest) cellular debris and pathogens either as stationary or mobile cells, and to stimulate lymphocytes and other immune cells to respond to the pathogen.

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