

FITC Anti-Myeloperoxidase antibody [2C7] ab11729

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Overview

Product name	FITC Anti-Myeloperoxidase antibody [2C7]
Description	FITC Mouse monoclonal [2C7] to Myeloperoxidase
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	Suitable for: Flow Cyt (Intra)
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human Myeloperoxidase.
Positive control	human peripheral blood granulocytes: Flow Cyt (Intra).
General notes	<p>This product should be stored undiluted. Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: PBS, 1% BSA</p>
Purity	Protein G purified
Purification notes	Purified IgG prepared by affinity chromatography.
Clonality	Monoclonal
Clone number	2C7

Myeloma	x63-Ag8.653
Isotype	IgG1

Applications

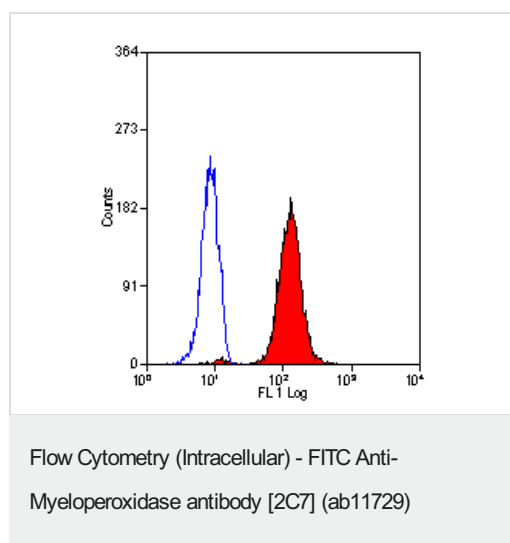
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab11729 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/1 - 1/10. Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl. This antibody may be used for the flow cytometric detection of myeloid cells following membrane permeabilisation. ab91356 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function	Part of the host defense system of polymorphonuclear leukocytes. It is responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, and other toxic intermediates that greatly enhance PMN microbicidal activity.
Involvement in disease	Defects in MPO are the cause of myeloperoxidase deficiency (MPD) [MIM:254600]. MPD is an autosomal recessive defect that results in disseminated candidiasis.
Sequence similarities	Belongs to the peroxidase family. XPO subfamily.
Cellular localization	Lysosome.

Images



Staining of human peripheral blood granulocytes with ab11729 following permeabilisation with Leucoperm

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