

Datasheet for ABIN7077551  
**anti-Myeloperoxidase antibody (FITC)**



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1 Image

## Overview

Quantity:	100 tests
Target:	Myeloperoxidase (MPO)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Myeloperoxidase antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

## Product Details

Purpose:	MPO FITC Antibody
Clone:	8-9
Isotype:	IgG2b, kappa
Characteristics:	<p>The clone 8/9, a mouse monoclonal antibody selectively binds with myeloperoxidase (MPO), a glycoprotein present in the granules of myeloid cells. MPO is critical for an optimal oxygen-dependent microbicidal activity of myeloid cells. The MPO generally appears in the myeloblast stage of myeloid cell differentiation. It is the most common functional protein of myeloid cells and is involved in the process of inflammatory immune responses mediated by myeloid cells. The primary translation product of MPO undergoes glycosylation with the production of 89 kDa heme-free apopro-MPO form followed by incorporation of heme and conversion into the enzymatically active pro-MPO form. Subsequently, pro-MPO becomes targeted to azurophil granules where final processing occurs to produce mature dimeric MPO consisting of the 59-64 kDa MPO alpha-chain and the 14 kDa MPO beta-chain. MPO gene expression may serve as an</p>

## Product Details

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additional marker for subclassification of acute leukemias and may be used to identify leukemic cells arrested at an early stage of the myeloid differentiation pathway.

Purification: Purified

Purity: >95 %

Grade: GMP Grade

## Target Details

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Target: Myeloperoxidase (MPO)

Alternative Name: MPO ([MPO Products](#))

Gene ID: 4353

UniProt: [P05164](#)

Pathways: [Chromatin Binding](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

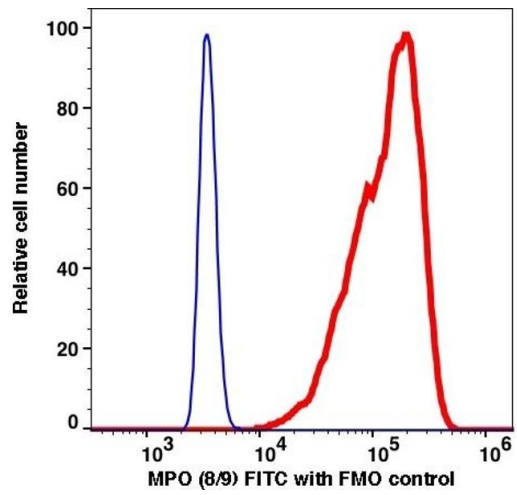
Buffer: PBS pH 7.2, 0.2 % (w/v) BSA, 0.09 % (w/v) sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: 2-8°C, Conjugated antibodies should never be frozen.



## Flow Cytometry

Image 1.