



Anti-Myeloperoxidase monoclonal antibody, clone 2C7 [R-PE] (CABT-47745MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Mouse anti Human Myeloperoxidase antibody, clone 2C7 recognizes human myeloperoxidase (MPO). MPO is an important component of azurophilic granules in neutrophils, being involved in microbicidal processes. The protein is a multimer of 2 heavy chains (55kD) and two light chains (15kD), the heavy chains being linked by a disulphide bond. Mouse anti Human Myeloperoxidase antibody, clone 2C7 recognizes native MPO in Western blots, and the heavy chain following boiling of the sample. Mouse anti Human Myeloperoxidase antibody, clone 2C7 also recognizes recombinant MPO in Western blots and weakly in ELISA. Mouse anti Human Myeloperoxidase antibody, clone 2C7 may be of value in the study of myeloid cells and myeloid leukaemias by flow cytometry following cell permeabilisation. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.

Specificity	MPO
Target	Myeloperoxidase
Immunogen	Human myeloperoxidase.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	2C7
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised

Size	100 tests
Preservative	0.09% Sodium Azide
Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	MPO myeloperoxidase [Homo sapiens (human)]
Official Symbol	MPO
Synonyms	MPO; myeloperoxidase;
Entrez Gene ID	4353
Protein Refseq	NP_000241
UniProt ID	P05164
Chromosome Location	17q23.1
Pathway	C-MYB transcription factor network; Folate Metabolism; IL23-mediated signaling events; Phagosome; Selenium Pathway; Transcriptional misregulation in cancer; Vitamin B12 Metabolism; amb2 Integrin signaling;
Function	chromatin binding; heme binding; heparin binding; metal ion binding; peroxidase activity;