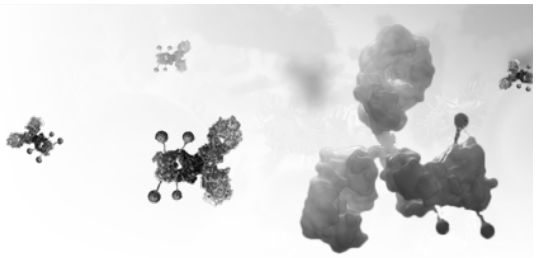

Mouse Anti-Human Myeloperoxidase monoclonal antibody, clone JID740 (CABT-L2834)

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

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human Myeloperoxidase
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID740
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Bone Marrow
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml

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Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA
Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Myeloperoxidase (MPO) is a peroxidase enzyme found most amply in neutrophil granulocytes. Myeloperoxidase is readily detectable in myeloblasts and immature myeloid cells of acute myelogenous leukemia, progranulocytic leukemia, monomyelocytic leukemia, erythroleukemia, myeloblastomas, and other hematopoietic disorders. Anti-Myeloperoxidase has been utilized for immunophenotyping acute lymphoblastic leukemia in bone marrow biopsies, as part of a panel of antibodies. Anti-Myeloperoxidase staining is also used to aid in the diagnosis of extramedullary leukemia or chloroma.
Keywords	MPO;myeloperoxidase;

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;

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