Mouse MYELOPEROXIDASE Monoclonal Antibody | anti-MPO antibody

MOUSE ANTI HUMAN MYELOPEROXIDASE

CATALOG #	HOST	APPLICATIONS
AAA49606	**Mouse**	**Immunohistochemistry, Flow Cytometry, Functional Assay, Immunohistochemistry**

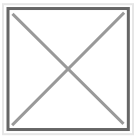
PRODUCT SYNONYMS

MYELOPEROXIDASE; Monoclonal Antibody; MOUSE ANTI HUMAN MYELOPEROXIDASE; anti-MPO antibody

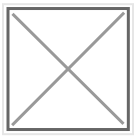
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2C7
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	745
Applicable Applications for anti-MPO antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide Preparation
Histology Positive Control Tissue	Bone marrow Buffer Solution
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

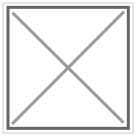
IMAGES



Application Data
Staining of human bone marrow. Formalin fixed, paraffin processed tissue with Mouse anti Human Myeloperoxidase



Application Data
Staining of human peripheral blood granulocytes with Mouse anti Human myeloperoxidase following permeabilisation with Leucoperm



Application Data
Staining of permeabilised human peripheral blood granulocytes with Mouse anti Human MYELOPEROXIDASE:FITC

ADDITIONAL INFORMATION

Related Product Information for anti-MPO antibody	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 permeablisation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557759
NCBI GeneID	4353
NCBI Accession #	NP_000241.1
NCBI GenBank Nucleotide #	NM_000250.1
UniProt Accession #	P05164; Q14862; Q4PJH5; Q9UCL7; A1L4B8
Molecular Weight	87,248 Da
NCBI Official Full Name	myeloperoxidase
NCBI Official Synonym Full Names	myeloperoxidase
NCBI Official Symbol	MPO
NCBI Protein Information	myeloperoxidase
UniProt Protein Name	Myeloperoxidase
UniProt Gene Name	**MPO**
UniProt Synonym Gene Names	MPO
UniProt Entry Name	PERM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/myeloperoxidase-antibody-clone-2c7-immunohistochemistry-flow-cytometry-immunohistochemistry-elisa/49606