

Mouse MYELOPEROXIDASE Monoclonal Antibody | anti-MPO antibody

MOUSE ANTI HUMAN MYELOPEROXIDASE:RPE

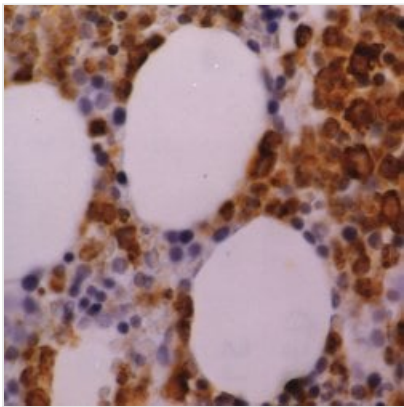
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA49479	Mouse	Reacts with DogDoes not react with Rat.N.B Antibody reactivity and working conditions may vary between species.	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

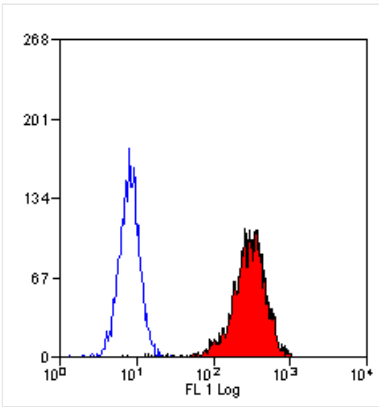
MYELOPEROXIDASE; Monoclonal Antibody; MOUSE ANTI HUMAN MYELOPEROXIDASE:RPE; anti-MPO antibody

PRODUCT SPECIFICATIONS

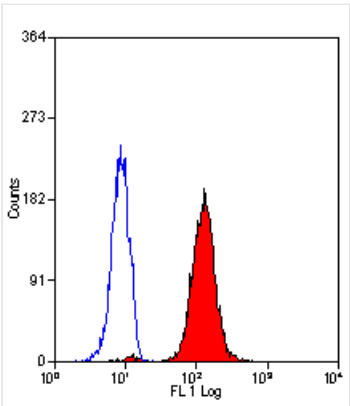
Host	Mouse
Reactivity	Reacts with Dog Does not react with Rat. N.B Antibody reactivity and working conditions may vary between species.
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2C7
Specificity	Myeloperoxidase.
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Sequence Length	745
Applicable Applications for anti-MPO antibody	FCM/FACS (Flow Cytometry)
Reconstitution	Reconstitute with 1 ml distilled water
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin 5% Sucrose
Immunogen	Human myeloperoxidase.
Buffer Solution	Phosphate buffered saline
Target Species	Human
Fusion partners	Spleen cells from immunised mice were fused with cells of the mouse X63 AG8-653 myeloma cell line.
Preparation and 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. Shelf Life: 12 months from date of reconstitution.



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 (55 kDa) and two light chains (15 kDa), 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 permeabilization. Mouse anti Human myeloperoxidase antibody, clone 2C7 did not recognize rat MPO by ELISA (Patry et al. 2003)

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

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-flow-cytometry-elisa/49479>