For Research Use Only

## MPO Monoclonal antibody

Catalog Number:66177-1-lg Featured Product 57 Publications

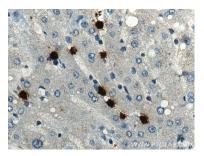


Basic Information	Catalog Number: 66177-1-lg	GenBank Accession Number: BC130476		Purification Method: Caprylic acid/ammonium sulfate	
	Size:	GeneID (NCBI):		precipitation	
	150ul , Concentration: 700 ug/ml by	P05164		CloneNo.: 4C11F6 Recommended Dilutions: WB: 1:1000-1:8000	
	Nanodrop and 700 ug/ml by Bradford method using BSA as the standard;				
	•				
	Source: Mouse	Full Name:		WB: 1:1000-1:8000 IHC: 1:400-1:1600	
		myeloperoxidase		IF-P: 1:200-1:800 IF-P: 1:200-1:800 IF/ICC: 1:200-1:800 FC (Intra): 0.25 ug per 10^6 cells in a 100 μl suspension	
	Isotype: IgA	Calculated MW: 745 aa, 84 kDa Observed MW: 90 kDa			
	Immunogen Catalog Number: AG17564				.0^6 cells in a
Applications	Tested Applications:	Positive Controls:			
	WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA	4	WB : HL-60 cells,		
	Cited Applications:	IHC : human liver tissue, human tonsillitis tissue			
	WB, IHC, IF, IP, ELISA	IF-P : human	IF-P: human appendicitis tissue,		
	Species Specificity:			L-60 cells,	
	Cited Species: human, rat, bovine, cow		FC (Intra) : HL-60 cells,		
	Note-IHC: suggested antigen ro TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	vely, antigen			
Background Information	The MPO gene encodes myeloperoxic polymorphonuclear (PMN) leukocytes intermediate with potent antimicrobi protein of 90 kDa, which displays enz kDa and a light chain of 13.5 kDa; the heterotetramer composed of two ider	s and monocytes. In re ial oxidizing abilities symatic activity and u se subunits then dim	esponse to stimu (PMID:1765050) Indergoes protect erize into the mand two identical	Ilation, MPO is activated 7). The mRNA is translate Ilytic maturation into a h ature tetramer and the ma light chains(PMID:12773	into a transient d into a single eavy chain of 5
	with molecular masses of 43-47 kDa v (PMID:12960244). The 24-kDa materia 13.5 kDa subunit (PMID:3008892). Dei isoforms produced by alternative spli	al had a map identica fects in MPO are the o	al to that of 13.5	kDa subunit and represer	517). Fragments r its a dimer of th
Notable Publications	with molecular masses of 43-47 kDa (PMID:12960244). The 24-kDa materia 13.5 kDa subunit (PMID:3008892). Der isoforms produced by alternative spli	al had a map identica fects in MPO are the o	al to that of 13.5 cause of myelop	kDa subunit and represer eroxidase deficiency (MP	517). Fragments r its a dimer of th
Notable Publications	with molecular masses of 43-47 kDa v (PMID:12960244). The 24-kDa materia 13.5 kDa subunit (PMID:3008892). Dei isoforms produced by alternative spli Author Pub	al had a map identica fects in MPO are the o icing. omed ID Jou	al to that of 13.5 cause of myelop	kDa subunit and represer eroxidase deficiency (MP	517). Fragments r its a dimer of th OD). It has 3 oplication
Notable Publications	with molecular masses of 43-47 kDa v (PMID:12960244). The 24-kDa materia 13.5 kDa subunit (PMID:3008892). Der isoforms produced by alternative spli Author Pub Guanxin Lv 346	al had a map identica fects in MPO are the o icing. omed ID Jour 531861 Fror	al to that of 13.5 cause of myelop	kDa subunit and represer eroxidase deficiency (MP	517). Fragments r its a dimer of the OD). It has 3 oplication
Notable Publications	with molecular masses of 43-47 kDa with molecular m	al had a map identica fects in MPO are the o icing. omed ID Jour 531861 Fror 177002 Fror	al to that of 13.5 cause of myelop rnal nt Vet Sci	kDa subunit and represer eroxidase deficiency (MP AJ IF	517). Fragment r its a dimer of th OD). It has 3 oplication
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	with molecular masses of 43-47 kDa v (PMID:12960244). The 24-kDa materia 13.5 kDa subunit (PMID:3008892). Det isoforms produced by alternative split Author Pub Guanxin Lv 3466 Zichao Cao 3661 Zhiyong Wu 2788 Storage: Storage suffer: PBS with 0.02% sodium azide and 500	al had a map identica fects in MPO are the o icing. omed ID Jour 531861 From 177002 From 330014 Am er shipment. % glycerol, pH7.3	nl to that of 13.5 cause of myelop mal nt Vet Sci nt Immunol	kDa subunit and represer eroxidase deficiency (MP Aj IF	517). Fragment r its a dimer of th OD). It has 3 oplication
Notable Publications Storage	with molecular masses of 43-47 kDa with molecular m	al had a map identica fects in MPO are the o icing. omed ID Jour 531861 From 177002 From 330014 Am er shipment. % glycerol, pH7.3	nl to that of 13.5 cause of myelop mal nt Vet Sci nt Immunol	kDa subunit and represer eroxidase deficiency (MP Aj IF	517). Fragment r its a dimer of th OD). It has 3 oplication

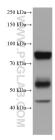
## Selected Validation Data



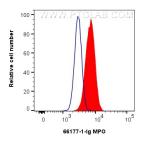
Immunohistochemical analysis of paraffinembedded human liver tissue slide using 66177-1-Ig (MPO antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human liver tissue slide using 66177-1-Ig (MPO antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



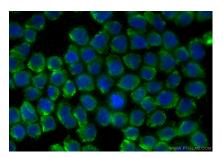
HL-60 cells were subjected to SDS PAGE followed by western blot with 66177-1-1g (MPO antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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1x10^6 HL-60 cells were intracellularly stained with 0.25 ug MPO Monoclonal antibody (66177-1-Ig, Clone:4C11F6) and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).

Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human appendicitis tissue using MPO antibody (66177-1-lg, Clone: 4C11F6) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HL-60 cells using MPO antibody (66177-1-Ig, Clone: 4C11F6) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).