For Research Use Only

MPO Monoclonal antibody

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

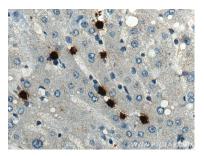


| Basic Information | Catalog Number: 66177-1-lg | GenBank Accession Number: BC130476 | | Purification Method: Caprylic acid/ammonium sulfate | |
|---------------------------------|--|---|--|--|---|
| | Size: | GeneID (NCBI): | | precipitation | |
| | 150ul , Concentration: 700 ug/ml by | P05164 | | 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 |
| Notable Publications | with molecular masses of 43-47 kDa of (PMID:12960244). The 24-kDa materia 13.5 kDa subunit (PMID:3008892). Defisoforms produced by alternative split Author Pub Guanxin Lv 3466 Zichao Cao 361 | al had a map identica fects in MPO are the o icing. omed ID Jour 531861 Fror 177002 Fror | 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 |
| | 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 |

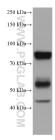
Selected Validation Data



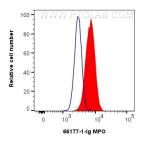
Immunohistochemical analysis of paraffinembedded human liver tissue slide using 66177-1-Ig (MPO antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



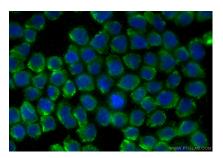
HL-60 cells were subjected to SDS PAGE followed by western blot with 66177-1-1g (MPO antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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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).