

À des fins de recherche uniquement

# Anticorps Monoclonal anti-MPO

Numéro de catalogue: 66177-1-Ig

Phare

25 Publications



## Informations de base

Numéro de catalogue:

66177-1-Ig

Numéro d'acquisition GenBank:

BC130476

Méthode de purification:

Précipitation de l'acide caprylique/du sulfate d'ammonium

Taille:

150ul, Concentration: 700 µg/ml by Nanodrop and 699 µg/ml by Bradford method using BSA as the standard;

Identification du gène (NCBI):

4353

CloneNo.:

4C11F6

Hôte:

Mouse

Nom complet:

myeloperoxydase

Dilutions recommandées:

WB 1:1000-1:8000

IHC 1:400-1:1600

IF 1:50-1:500

Isotype:

IgA

MW calculé

745 aa, 84 kDa

MW observés:

90 kDa

Immunogen Catalog Number:

AG17564

## Applications

Applications testées:

IF, IHC, WB, ELISA

Contrôles positifs:

WB : cellules HL-60,

Demandes citées:

IF, IHC, WB

IHC : tissu hépatique humain, tissu d'amygdales humaines

Spécificité de l'espèce:

Humain, rat

IF : tissu d'amygdales humaines,

Espèces citées:

bovin, Humain, rat, Vache

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

## Informations générales

The MPO gene encodes myeloperoxidase, a lysosomal hemoprotein located in the azurophilic granules of polymorphonuclear (PMN) leukocytes and monocytes. In response to stimulation, MPO is activated into a transient intermediate with potent antimicrobial oxidizing abilities (PMID:17650507). The mRNA is translated into a single protein of 90 kDa, which displays enzymatic activity and undergoes proteolytic maturation into a heavy chain of 59 kDa and a light chain of 13.5 kDa; these subunits then dimerize into the mature tetramer and the mature MPO is a heterotetramer composed of two identical heavy chains and two identical light chains (PMID:12773517). The 24-kDa material had a map identical to that of 13.5 kDa subunit and represents a dimer of the 13.5 kDa subunit (PMID:3008892). Defects in MPO are the cause of myeloperoxidase deficiency (MPOD). It has 3 isoforms produced by alternative splicing.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Guanxin Lv	34631861	Front Vet Sci	IF
Zichao Cao	36177002	Front Immunol	IHC
Zhiyong Wu	27830014	Am J Transl Res	IHC

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azote de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

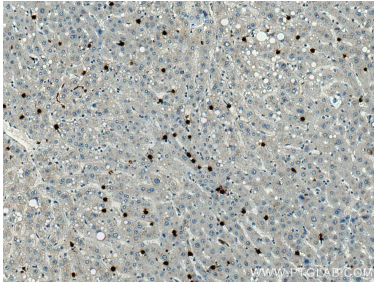
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

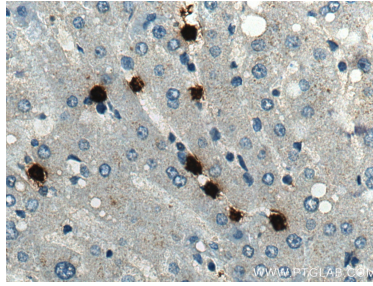
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

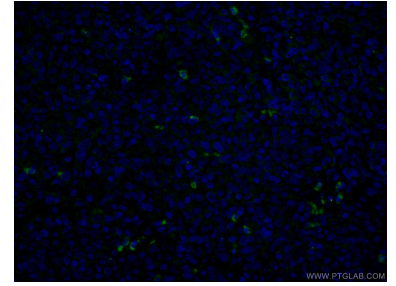
## Données de validation sélectionnées



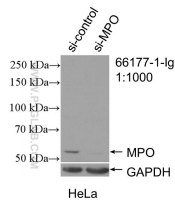
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66177-1-Ig (MPO antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



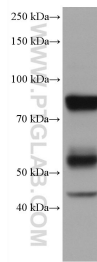
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66177-1-Ig (MPO antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 66177-1-Ig (MPO antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



WB result of MPO antibody (66177-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MPO transfected HeLa cells.



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