Nur für Forschungszwecke

MPO Monoklonaler Antikörper

Katalog-Nr.:66177-1-Ig Vorgestelltes Produkt 23 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Allgemeine Informationen

Katalog-Nr.:
66177-1-Ig

Größe:
150ul , Konzentration: 700 μg/ml von Nanodrop und 699 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Maus

Isotyp:
IgA

Immunogen Katalognummer:
AG17564

GenBank-Zugangsnummer:
BC130476

GeneID (NCBI):
4353

Vollständiger Name:
myeloperoxidase

Berechneté Masse:
745 aa, 84 kDa

Beobachteté Masse:
90 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
4C11F6

Empfohlene Verdünnungen:
WB 1:1000-1:8000
IHC 1:400-1:1600
IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:
IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:
IF, IHC, WB

Getestete Reaktivität:
Human, Ratte

Zitierte Arten:
Human, Rind, Kuh

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : HL-60-Zellen,

IHC : humanes Lebergewebe, humanes Tonsillitisgewebe

IF : humanes Tonsillitisgewebe,

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

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

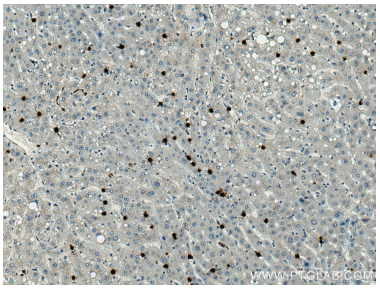
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

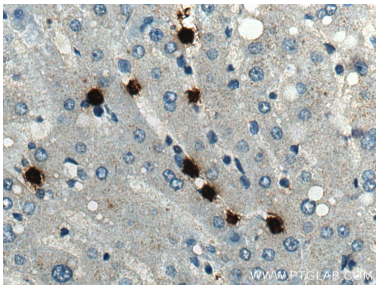
*** 20ul-Größen enthalten 0.1% BSA

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

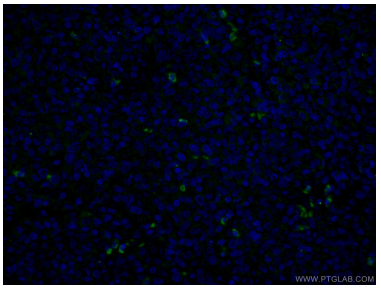
Ausgewählte Validierungsdaten



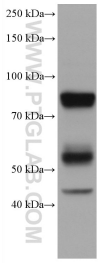
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66177-1-Ig (MPO antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



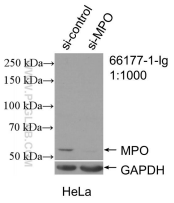
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66177-1-Ig (MPO antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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.



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.