

À des fins de recherche uniquement

Anticorps Monoclonal anti-MPO

Numéro de catalogue: **CL488-66177** **Phare**



Informations de base

| | | |
|---|--|---|
| Numéro de catalogue: CL488-66177 | Numéro d'acquisition GenBank: BC130476 | Méthode de purification: Chromatographie d'affinité thiophilique |
| Taille: 100ul , Concentration: 1000 µg/ml by Nanodrop; | Identification du gène (NCBI): 4353 | CloneNo.: 4C11F6 |
| Hôte: Mouse | Nom complet: myeloperoxidase | Dilutions recommandées: IF 1:50-1:500 |
| Isotype: IgA | MW calculé 745 aa, 84 kDa | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| Immunogen Catalog Number: AG17564 | MW observés: 90 kDa | |

Applications

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|--|---|
| Applications testées: FC (Intra), IF | Contrôles positifs: IF : tissu d'amygdalite humain, |
| Spécificité de l'espèce: Humain, rat | |

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.

Stockage

Stockage:
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

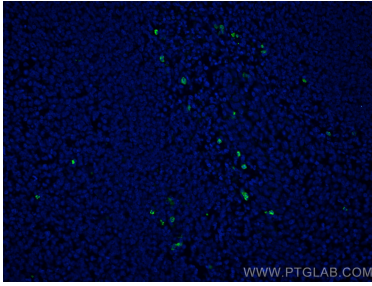
For technical support and original validation data for this product please contact:

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

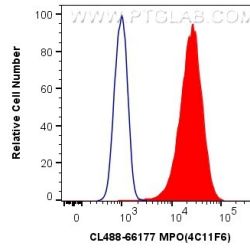
E: proteintech@ptglab.com
W: ptglab.com

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

Données de validation sélectionnées



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite® Plus 488 MPO antibody (CL488-66177, Clone: 4C11F6) at dilution of 1:200.



1×10^6 HL-60 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human MPO (CL488-66177, Clone:4C11F6) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).