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PE Rabbit anti-Human MPO mAb

Catalog No.: A28805

Basic Information

Observed MW

Calculated MW

Category
Primary antibody

Applications
FC (intra)

Cross-Reactivity
Human

CloneNo number
ARC77502

Conjugate
PE. Ex:565nm. Em:574nm.

Background

The MPO gene encodes myeloperoxidase, a lysosomal heme protein located in the azurophilic granules of polymorphonuclear (PMN) leukocytes and monocytes. In response to stimulation, MPO is activated to a transient intermediate with potent antimicrobial oxidizing capacity (PMID: 17650507). The mRNA is translated into a single 90 kDa protein that exhibits enzymatic activity and undergoes proteolytic maturation into a 59 kDa heavy chain and a 13.5 kDa light chain; these subunits then dimerize to form the mature tetramer, with mature MPO being an heterotetramer composed of two identical heavy chains and two identical light chains (PMID: 12773517). The 24 kDa material has a profile identical to that of the 13.5 kDa subunit, representing the dimer of the 13.5 kDa subunit (PMID: 3008892). Deficiency of MPO is the cause of myeloperoxidase deficiency (MPOD). It has three isoforms generated by alternative splicing. This antibody is specific for MPO virus.

Recommended Dilutions

FC (intra)	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
4353

Swiss Prot
P05164

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

Contact

400-999-6126

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Product Information

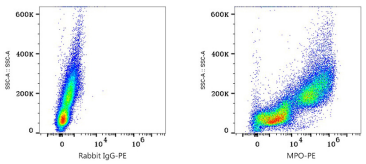
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

Validation Data



Flow cytometry: 1X10^6 Human PBMC were intracellularly-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Human MPO mAb (A28805,5 µl/Test,right).

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