MPO Recombinant antibody

Cat:B13001R **Company：** HaokeBIO

Uniprot ID:P11247

Organism: Rabbit

Applications:IHC/IF:1:125-1:500

WB:1:5000-1:50000

Species reactivity: Human Mouse Rat

Background:

The MPO gene encodes myeloperoxidase, a lysosomal hemoprotein located in the azurophilic granules of polymorphonuclear leukocytes and monocytes. In response to stimulation, MPO is activated into a transient intermediate with potent antimicrobial oxidizing abilities. 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. Fragments with molecular masses of 43-47 kDa were formed by autocatalysis during warming in sample buffer. The 24-kDa material had a map identical to that of 13.5 kDa subunit and represents a dimer of the 13.5 kDa subuni. Defects in MPO are the cause of myeloperoxidase deficiency. It has 3 isoforms produced by alternative splicing.

Protein full name:

myeloperoxidase

Synonyms:

Myeloperoxidase light chain, Myeloperoxidase heavy chain, Myeloperoxidase, EC:1.11.2.2, 241839C11

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02%sodium azide,100 μg/ml BSA and 50% glycerol.

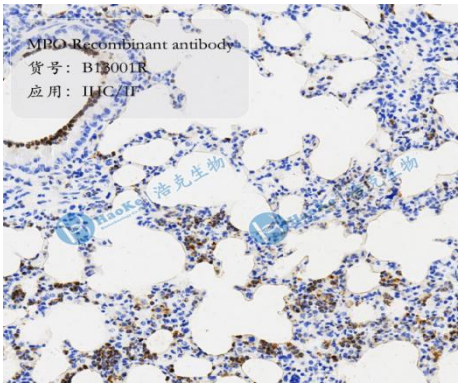
Storage:

Store at -20 ℃ for one year.

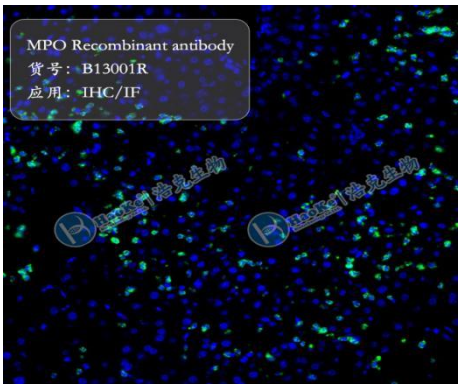
Experimental procedure:

Antigen retrieval: Citrate buffer (pH 6.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes.Incubate antibody, 4℃ overnight.Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse lungs, 4% PFA 12-24h



Sample: Mouse liver, 4% PFA 12-24h