MAA601Hu22

Monoclonal Antibody to Myeloperoxidase (MPO)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)
[ PROPERTIES ]

**Source:** Monoclonal antibody preparation

**Host:** Mouse

**Antibody isotype:** IgG2b Kappa

**Purification:** Protein A + Protein G affinity chromatography

**Clone number:** C1

**Traits:** Liquid

**Concentration:** 1mg/ml

**UOM:** 100µg(100µl)

**Applications:** WB; IHC; ICC; IP.

[ IMMUNOGEN ]

**Immunogen:** Recombinant MPO (Val165~Gly278) expressed in *E.coli*

**Accession No.:** RPA601Hu01

[ APPLICATIONS ]

Western blotting: 0.5-2µg/mL;1:500-2000

Immunohistochemistry: 5-20µg/mL;1:50-200

Immunocytochemistry: 5-20µg/mL;1:50-200

Optimal working dilutions must be determined by end user.

[ FORMULATION ]

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.

[ QUALITY CONTROL ]

**Content:** The quality control contains recombinant MPO disposed in loading buffer.

**Usage:** 10uL per well when 3,3’-Diaminobenzidine(DAB) as the substrate.

5uL per well when used in enhanced chemilumescent (ECL).

**Note:** The quality control is specifically manufactured as the positive control. Not used for other purposes.
Loading Buffer: 100mM Tris (pH 6.8), 1% SDS, 150mM NaCl, 50% glycerol, 0.02% BPB, 50mM DTT and 0.02% NaN₃.

[ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.
- Store at 4°C for frequent use.
- Aliquot and store at -20°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[ IDENTIFICATION ]

Figure. Western Blot; Sample: Recombinant MPO, Human.

DAB staining on IHC-P; Samples: Human Colon Tissue; Primary Ab: 20µg/ml Mouse Anti-Human MPO Antibody; Secondary Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

[ IMPORTANT NOTE ]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.