

PAA601Mu02

Polyclonal Antibody to Myeloperoxidase (MPO)

Organism Species: *Mus musculus* (Mouse)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: MPO, Mouse

Clonality: Polyclonal

Host: Rabbit

Immunoglobulin Type: IgG

Purification: Affinity Chromatography.

Applications: WB, ICC, IHC-P, IHC-F, ELISA

Concentration: 200µg/mL

UOM: 100µg

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant MPO (Leu253~Thr718) expressed in *E.coli*.

Accession No.: RPA601Mu02

Sequence: The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHSG SEF -LNCETSCL QQPPCFPLKI PPNDPRIKNQ KDCIPFFRSC PACTRNITI
RNQINALTSF VDASGVYGSE DPLARKLRNL TNQLGLLAIN TRFQDNDRAL MPFDSLHDDP
CLLTNRSARI PCFLAGDMRS SEMPELTSMH TLFVREHNRL ATQLKRLNPR WNGEKLYQEA
RKIVGAMVQI ITYRDYLPLV LGPAAMKKYL PQYRSYNSV DPRIANVFTN AFRYGHTLIQ
PFMFRLNNQY RPTGPNRPV LSKVFFASWR VVLEGGIDPI LRGLMATPAK LNRQNQIVVD
EIRERLFEQV MRIGLDL PAL NMQRSRDHGL PGYNAWRRFC GLPQPSTVGE LGTVLKNLEL
ARKLMAQYGT PNNIDIWMGG VSEPLEPNGR VGQLLA CLIG TQFRKLRDGD
RFWWENPGVF SKQQRQALAS ISLPRIICDN TGITTVSKNN IFMSNTYPRD FVSCNTLPKL
NLTSWKET

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against MPO. It has been selected for its ability to recognize MPO in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:50-400

Immunocytochemistry in formalin fixed cells: 1:50-500

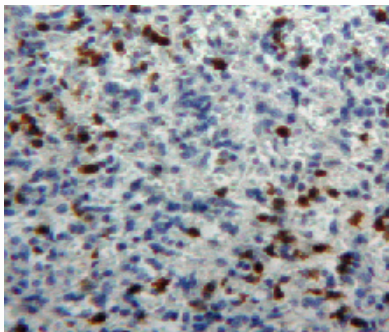
Immunohistochemistry in formalin fixed frozen section: 1:50-500

Immunohistochemistry in paraffin section: 1:10-100

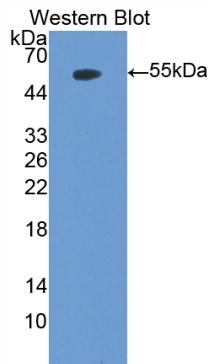
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[IMAGES]



Used in DAB staining on formalin fixed
paraffin-embedded spleen tissue



Used in Western Blot, Sample:
Recombinant MPO, Mouse

[CONTENTS]

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 (Leu253~Thr718) disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.
5uL per well when used in enhanced chemiluminescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, NaN₃ 0.02%.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.