

Recombinant Mouse Myeloperoxidase Protein

Catalog #	Source	Reactivity	Applications
CRP3021	Human cells	Mouse	E, WB, SDS-PAGE, MS

Description Recombinant Mouse Myeloperoxidase Protein is produced by mammalian expression system and the target gene encoding Met16-Thr718 is expressed with a 10His tag at the C-terminus.

Form Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Gene Symbol MPO

Alternative Names Myeloperoxidase; MPO

Entrez Gene 17523 (Mouse)

SwissProt P11247 (Mouse)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure MLQTSNGATP ALLGEVENSV VLSCMEEAKQ LVDRAYKERR ESIKRSLQSG SASPTTELLFY
 FKQPVAGTRT AVRAADYLHV ALDLLKRKLQ PLWPRPFNVT DVLTPAQLNL LSVSSGCAYQ
 DVRVTCPPND KYRTITGHCN NRRSPTLGAS NRAFVRWLPA EYEDGVSMMPF
 GWTPGVNRNG FKVPLARQVS NAIVRFPNDQ LTKDQERALM FMQWGQFLDH
 DITLTPEPAT RFSFFTGLNC ETSCLQPPC FPLKIPPNDP RIKNQKDCIP FFRSCPACTR
 NNITIRNQIN ALTSFVDASG VYGSEDPLAR KLRNLTNQLG LLAINTRFQD NGRALMPFDS
 LHDDPCLLTN RSARIPCFLA GDMRSSEMPE LTSMHTLFVR EHNRLATQLK RLNPRWNGEK
 LYQEARIVG AMVQIITYRD YLPLVLGPAA MKKYLPQYRS YNDSVDPRIA NVFTNAFRYG
 HTLIQPFMFR LNNQYRPTGP NPRVPLSKVF FASWRVVLEG GIDPILRGLM ATPAKLNRQN
 QIVVDEIRER LFEQVMRIGL DLPALNMQRS RDHGLPGYNA WRRFCGLPQP STVGELGTVL
 KNLELARKLM AQYGTPNNID IWMGGVSEPL EPNGRVGQLL ACLIGTQFRK
 LRDGDRFWWE NPGVFSKQQR QALASISLPR IICDNTGITT VSKNNIFMSN TYPRDFVSCN

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

TLPKLNLSW KETHHHHHHH HHH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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