

Recombinant Human Myeloperoxidase Protein

Catalog #	Source	Reactivity	Applications
CRP2776	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human Myeloperoxidase Protein is produced by mammalian expression system and the target gene encoding Ala49-Ser745 is expressed with a 10His tag at the C-terminus.
Form	Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH7.5.
Gene Symbol	MPO
Alternative Names	Myeloperoxidase; MPO
Entrez Gene	4353 (Human)
SwissProt	P05164 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	AAPAVLGEVD TSLVLSSMEE AKQLVDKAYK ERRESIKQRL RSGSASPMEL LSYFKQPVA TRTAVRAADY LHVALDLLER KLRLWRRPF NVTDLTPAQ LNVLSKSSGC AYQDVGVTCP EQDKYRTITG MCNNRRSPTL GASNRAFVRW LPAEYEDGFS LPYGWTPGVK RINGFPVALAR AVSNEIVRFP TDQLTPDQER SLMFMQWGQL LDHDLDFPE PAARASFVTG VNCETSCVQQ PPCFPLKIPP NDPRIKNQAD CIPFFRSCPA CPGSNITIRN QINALTSFVD ASMVYGSEEP LARNLRNMSN QLGLLAVNQR FQDN GRALLP FDNLHDDPCL LTNRSARIPC FLAGDTRSSE MPELTSMHTL LLREHNRLAT ELKSLNPRWD GERLYQEARK IVGAMVQIIT YRDYLPVLV PTAMRKYLPT YRSYNDSDVP RIANVFTNAF RYGH TLIQPF MFRLDNRYQP MEPNPRVPLS RVFFASWRVV LEGGIDPILR GLMATPAKLN RQNQIAVDEI RERLFEQVMR IGLDLPALNM QRSRDHGLPG YNAWRRFCGL PQPETVGQLG TVLRNLKLAR KLMEQYGTPN NIDIWMGGVS EPLKRKGRVG PLLACIIGTQ FRKLRDGDRF WWENEGVFSM QQRQALAIQIS LPRIICDNTG ITTVSKNNIF MSNSYPRDFV NCSTLPALNL ASWREASHHH HHHHHHH

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

Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) 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 μ g/ml. Dissolve the lyophilized protein in ddH ₂ O. 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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