Recombinant Mouse Myeloperoxidase (Mpo)

Product Code	CSB-MP014757MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P11247
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	VT CPPNDKYRTI TGHCNNRRSP TLGASNRAFV RWLPAEYEDG VSMPFGWTPG VNRNGFKVPL ARQVSNAIVR FPNDQLTKDQ ERALMFMQWG QFLDHDITLT PEPATRFSFF TGLNCETSCL QQPPCFPLKI PPNDPRIKNQ KDCIPFFRSC PACTRNNITI RNQINALTSF VDASGVYGSE DPLARKLRNL TNQLGLLAIN TRFQDNGRAL MPFDSLHDDP CLLTNRSARI PCFLAGDMRS SEMPELTSMH TLFVREHNRL ATQLKRLNPR WNGEKLYQEA RKIVGAMVQI ITYRDYLPLV LGPAAMKKYL PQYRSYNDSV DPRIANVFTN AFRYGHTLIQ PFMFRLNNQY RPTGPNPRVP LSKVFFASWR VVLEGGIDPI LRGLMATPAK LNRQNQIVVD EIRERLFEQV MRIGLDLPAL NMQRSRDHGL PGYNAWRRFC GLPQPSTVGE LGTVLKNLEL ARKLMAQYGT PNNIDIWMGG VSEPLEPNGR VGQLLACLIG TQFRKLRDGD RFWWENPGVF SKQQRQALAS ISLPRIICDN TGITTVSKNN IFMSNTYPRD FVSCNTLPKL NLTSWKET
Source	Mammalian cell
Target Names	Mpo
Protein Names	Recommended name: Myeloperoxidase Short name= MPO EC= 1.11.2.2 Cleaved into the following 2 chains: 1. Myeloperoxidase light chain 2. Myeloperoxidase heavy chain
Expression Region	139-718
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of netrophils.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.