

Myeloperoxidase Ab

Cat.#: BF0417
Size: 50ul,100ul,200ul

Concn.: 1mg/ml
Source: Mouse

Mol.Wt.: 84kDa
Clonality: Monoclonal

Application:	ELISA 1/10000, WB 1/500 - 1/2000
Reactivity:	Human
Purification:	Affinity-chromatography.
Specificity:	Myeloperoxidase Ab detects endogenous levels of total Myeloperoxidase.
Immunogen:	Purified recombinant fragment of human Myeloperoxidase expressed in E. Coli.
Uniprot:	P05164
Description:	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 neutrophils.
Subcellular Location:	Lysosome.
Similarity:	Belongs to the peroxidase family. XPO subfamily.
Storage Condition and Buffer:	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

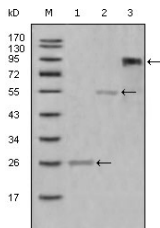


Figure 1: Western blot analysis using MPO mouse mAb against truncated Trx-MPO recombinant protein (1), truncated MBP-MPO (aa1-193) recombinant protein (2) and truncated MPO(aa165-745)-hlgGfC transfected CHO-K1 cell lysate(3).

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.



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