

Native Mouse Mb

Cat. No. Mb-160M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Mouse Mb was purified from Mouse Heart.
Species	Mouse
Source	Mouse Heart
Description	Mouse Heart MYOGLOBIN contains a heme (iron-containing porphyrin) prosthetic group in the center around which the remaining apoprotein folds. Mouse Myoglobin is found in skeletal and cardiac muscle cells and is capable of reversibly binding molecular oxygen and enhancing the rate of oxygen diffusion through the muscle cell. Myoglobin is an oxygen carrier in the cytoplasm and appears to be responsible for the transport of oxygen from the cell membrane to the mitochondrion. Myoglobin (Mb) is a Haem containing protein and implicated as a cause of acute renal failure following damage to muscle tissue (e.g. rhabdomyolysis, severe crush trauma, malignant hyperthermia, status epilepticus and neuroleptic malignant syndrome), due to its toxicity to renal tubular epithelium.
Form	Liquid in 50% Glycerol, 75 mM NaCl, 5 mM sodium phosphate, 0.05% NaN ₃
Molecular Mass	17 kDa
Purity	≥90% by SDS-PAGE
Storage	-20 °C

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Concentration >0.2 mg/mL

GENE INFORMATION

Gene Name Mb myoglobin [*Mus musculus*]

Official Symbol Mb

Synonyms MB; myoglobin; A1325109;

Gene ID 17189

mRNA Refseq NM_001164047

Protein Refseq NP_001157519

Function heme binding; iron ion binding; metal ion binding; oxygen binding; oxygen transporter activity;

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