

Native Dog Myoglobin

Cat. No. MB-237C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified Native Canine/Dog Heart Myoglobin.
Species	Dog
Source	Canine/Dog Heart
Description	Canine 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 , pH Typically 7.0
Molecular Mass	17 kDa
Purity	>98% by SDS-PAGE
Storage	Store at -20 °C.
Concentration	>0.2 mg/mL

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GENE INFORMATION

Gene Name	MB myoglobin [Canis lupus familiaris]
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Official Symbol	MB
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Synonyms	MB; myoglobin;
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Gene ID	608715
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