

## MB

## Native Human Myoglobin

<b>Catalog No.</b>	CSI14818A CSI14818B	<b>Quantity:</b>	1 mg 5 mg
<b>Alternate Names:</b>	MB		
<b>Description:</b>	Myoglobin (MB) is a single-chain globular protein containing a heme group in the center around which the remaining apoprotein folds. It has eight alpha helices and a hydrophobic core. MB is the primary oxygen-carrying pigment found in skeletal and cardiac muscle cells. It is capable of reversibly binding molecular oxygen and enhancing the rate of oxygen diffusion through the muscle cell.		
<b>Appearance:</b>	Clear, reddish-brown solution		
<b>UniProt ID:</b>	P02144		
<b>Concentration:</b>	> 1.0 mg/ml (Lowry)		
<b>Source:</b>	Human Heart Tissue		
<b>Molecular Weight:</b>	17.7 kDa (153 aa)		
<b>Formulation:</b>	PBS pH 7.5, containing 0.09% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Purity:</b>	≥ 99% by SDS PAGE		
<b>Handling:</b>	Briefly centrifuge vial to consolidate liquid and ensure complete recovery.		
<b>Storage &amp; Stability:</b>	Store at 2-8°C. <b>DO NOT FREEZE.</b>		
<b>Certification:</b>	Non-Infectious Disease Certification: Non-reactive for HIV-1/HCV/HBV by NAT; HBsAg, HCV Ab, HIV-1&2 Ab and RPR by currently approved FDA methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at Bio-Safety Level 2 (BSL 2) as recommended for potentially infectious human serum or blood specimen in the CCD/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 2009.		
<b>Country of Origin:</b>	USA		

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