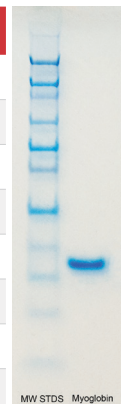




MYOGLOBIN

Source:	Human Heart
Form:	Liquid
Buffer:	TRIS buffer with 0.1% Sodium Azide at pH 7.5
Concentration:	≥ 1mg/mL
Purity:	Immunopure ≥ 95% by SDS Page
Assay:	Assay performed on Abbott Architect
Storage:	2-8°C
Molecular Weight:	16.7- 17.7 kDa
Appearance:	Clear, red to amber in color



Associated Products: **Creatine Kinase BB (CKBB): Partially Purified, Purified and Immunopure**
Creatine Kinase MB (CKMB): Purified and Immunopure
Creatine Kinase MM (CKMB): Partially Purified, Purified and Immunopure

Myoglobin is an iron and oxygen binding protein found in the muscle tissue, predominantly in the heart, and is responsible for oxygen storage in the muscle. It is the primary oxygen carrying pigment of muscle tissues. In humans, it is abnormal to find Myoglobin in the bloodstream. Therefore, if a patient's blood diagnostic tests for Myoglobin, it is diagnostically relevant and could indicate a muscle injury. Myoglobin was the first protein to have its three dimensional structure revealed by X-ray crystallography. Although both bind oxygen to the heme group, the difference between Myoglobin and Hemoglobin is the Myoglobin has a higher affinity for oxygen. Hemoglobin transports oxygen, whereas Myoglobin stores oxygen. An increased level of Myoglobin does not determine an acute myocardial infarction (AMI). However, Myoglobin is still an important analyte on a cardiac panel due to its excellent sensitivity and it gets released earlier than the other major cardiac markers. It is useful in aiding in the diagnosis (rule-out) and for the prognosis of an AMI.



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