



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet NATIVE HUMAN MYOGLOBIN

Catalog No.
DS-01-0320

Source
Human heart

Description

Whereas haemoglobin is the carrier of oxygen, myoglobin stores oxygen in the tissues. Like hemoglobin, it also contains a noncovalently bound heme group. The molecule of myoglobin consists of a single polypeptide chain with molecular weight of 16,000 and sequence analysis shows that it has similarities with haemoglobin. Following myocardial infarction myoglobin is lost from cardiac muscle cells and its presence in serum may be used as a diagnostic indicator.

Applications

Table Summary of protein applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay			•	
Western Blotting			•	
ELISA	•			

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Physical Appearance

Sterile Filtered clear solution.

Formulation

1.0mg/ml purified human myoglobin from human heart.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Stability

Store at 4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use. 12 months shelf life from date of dispatch.

Please avoid freeze-thaw cycles.

Purity

Greater than 99.0% as determined by analysis by SDS-PAGE.

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