

Myoglobin

Rabbit Polyclonal Antibody

Cat. #RB-9068-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml) (Purified Ab with BSA and Azide)

Cat. #RB-9068-R7 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)

Please note this data sheet has been changed effective Dec 1, 2008.

Description: Myoglobin is a cytoplasmic, single chain polypeptide of 153 amino acids and contains a single heme group. Myoglobin is found in skeletal and cardiac muscle but not in smooth muscle and functions as an oxygen transporting pigment. Upon damage to the muscle cell due to infarction of a coronary artery, neurological trauma, infection of tumor processes, myoglobin escapes to the environment and can be found in plasma using sensitive assays.

Comments: This antibody is suitable for staining of formalin-fixed, paraffin-embedded tissues with no special pretreatment.

Mol. Wt. of Antigen: 17.8kDa

Epitope: not known

Species Reactivity: Human. Others not tested.

Immunogen: Purified human myoglobin

Applications and Suggested Dilutions:

- Immunohistology (Formalin/paraffin)
(Ab at 1:1000-2000 for 20 min with LV's UltraVision LP Systems)

* [No special pretreatment is required for the immunohistochemical staining of formalin/paraffin tissues.]

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Skeletal muscle

Cellular Localization: Cytoplasmic

Storage and Stability:

Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

Supplied As: Purified antibody fraction from rabbit anti-serum. Prepared in 10mM PBS, pH 7.6, with 0.2% BSA and 15mM sodium azide.

or

Prediluted antibody which is ready-to-use for immunohistochemical staining.

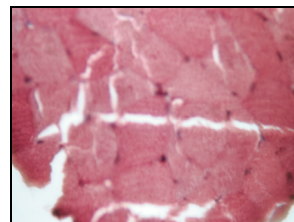
Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

For Research Use Only



Human skeletal muscle stained with anti-Myoglobin, Cat# RB-9068-P

