

## Product Datasheet

# Myoglobin (Myo) Monoclonal Antibody (orb1921764)

<b>Description</b>	Myoglobin (Mb) is a monomeric 17,800-Da protein, which incorporates a heme group in a hydrophobic crevice during the folding process. It can transport and store oxygen in muscles. Mb is present in oxidative striated muscles and cardiac myocytes as well as in smooth muscle cells. Notably, Mb has also been traced in human tumor-associated mammary cells. Mb can be detected in the serum as early as two hours after myocardial necrosis begins. Mb has low cardiac specificity but high sensitivity, which makes it most useful for ruling out myocardial infarction if the level is normal in the first four to eight hours after the onset of symptoms.
<b>Species/Host</b>	Mouse
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	CLIA, LF
<b>Form/Appearance</b>	Purified, Liquid
<b>Storage</b>	For long term storage, the product should be stored at -20°C or lower.
<b>Note</b>	For research use only
<b>Application notes</b>	Recommended Applications: LFIA , CLIA. Test Methods: Test Linear Range, Test Detection Limit
<b>Sample Types</b>	Test sample type: Serum / Plasma. Test sample source: Human
<b>Clonality</b>	Monoclonal
<b>Purity</b>	> 95% pure (SDS-PAGE).
<b>MW</b>	150 kDa
<b>Expiration Date</b>	12 months from date of receipt.

**Biorbyt Ltd.**

7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

**Biorbyt LLC.**

68 TW Alexander Drive,  
Durham, NC, 27713, United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)