

## Datasheet: MCA5877P

<b>Description:</b>	MOUSE ANTI HUMAN MYOGLOBIN:HRP
<b>Specificity:</b>	MYOGLOBIN
<b>Format:</b>	HRP
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	164.6G2
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			5µg/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.01% Thiomersal
<b>Stabilisers</b>	HRP Stabiliser ( <a href="#">BUF052A</a> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P02144</a> <a href="#">Related reagents</a>

**Entrez Gene:**[4151](#) MB [Related reagents](#)

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<b>Specificity</b>	<b>Mouse anti Human myoglobin (clone 164.6G2)</b> is a monoclonal antibody recognising human myoglobin, a single-chain globular ~17kDa protein containing a heme prosthetic group localized to skeletal muscle. Myoglobin is responsible for the storage and movement of oxygen in muscle tissue.  Myoglobin is released from injured muscle into the bloodstream, making it a sensitive marker for all muscle injury. It is commonly used in combination with troponin as a marker for myocardial damage in heart attacks. It is filtered by the kidneys, but is a potential cause of renal failure as it is toxic to the renal tubular epithelium ( <a href="#">Lima et al. 2008</a> ).
<b>ELISA</b>	This product may be used as a detection reagent in a sandwich ELISA together with <a href="#">MCA5874G</a> as the capture reagent. <a href="#">PHP156</a> may be used as a standard.
<b>Storage</b>	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	18 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10131 available at: 10131: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10131.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10131.pdf</a>
<b>Regulatory</b>	For research purposes only

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