

SCRIPPS **PRODUCT REVIEW**

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Purified Myoglobin

Myoglobin is one of the earliest serum markers available for the diagnosis of myocardial infarction (MI). It often elevates within 1-2 hours after the infarct, while CK-MB may require 4-6 hours before reaching abnormal levels. Serum myoglobin levels are often used to rule-out MI, as negative myoglobin results are highly predictive of a non-muscular injury.

Scripps Laboratories has single-band myoglobin available, as well as >95% pure material, if purity is not a limiting criterion. Scripps myoglobin is stable, and the lot-to-lot consistency is excellent.

Myoglobin Antibodies

Several years in development, bulk quantities of myoglobin monoclonal and polyclonal antibodies are available for the development of a myoglobin immunoassay. These projects are mature and producing large volumes of antibody.

The myoglobin monoclonal is protein A purified, and the polyclonals are available purified via immunoaffinity or ion-exchange chromatography.

To evaluate these or other materials, please call, fax, or contact us via our website.

Contact Scripps for all your bulk biochemicals:

**HORMONES
CARDIAC MARKERS
CANCER MARKERS
PLASMA PROTEINS
ANTIBODIES**

(colloidal gold conjugation is available)

Tel: USA 858-546-5800
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Myoglobin

Raw Materials for Immunoassay Development

Purified Myoglobin

<u>Catalog No.</u>	<u>Source</u>	<u>Purity</u>
M0725	Human Heart	99%
M0724	Human Heart	95%
M0224	Human Skeletal Muscle	95%

Myoglobin Monoclonals

<u>Catalog No.</u>	<u>Clone No.</u>	<u>Subclass</u>	<u>Reactivity Notes</u>
MM077	BM002S	IgG1	No cross-reactivity with human hemoglobin in direct ELISA

Myoglobin Polyclonals

<u>Catalog No.</u>	<u>Host Animal</u>	<u>Purification Method</u>
GM079	Goat	Immunoaffinity chromatography
GM075	Goat	Ion-exchange chromatography

all polyclonals exhibit <1% cross-reactivity with hemoglobin and show no visible reaction on IEP vs concentrated, pooled human serum

Antibody Pairs for Immunoassay Development

The following myoglobin antibodies are recommended for the development of an immunoassay specific for myoglobin:

<u>Capture Antibody</u>	<u>Trapping Antibody</u>
Polyclonal GM079 or GM075	Monoclonal BM002S

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