

Product Specification Sheet

Rat Cardiac Myoglobin

□ **Cat #** MYG19-N-25

Rat Cardiac myoglobin, purified

SIZE: 25 ug

Myoglobin is a single-chain heme containing protein with a molecular weight of ~17kDa. It is the primary oxygen-carrying protein of muscle tissues. The same isoform is expressed in both cardiac and skeletal muscle. It is a sensitive biomarker for muscle injury and has been widely used as a marker of heart disease. Myoglobin is purified using a combination of gel-filtration and ion-exchange chromatography steps.

Source and Forms

Source: Rat heart, purified using proprietary methods

Purity · 95% (SDS PAGE: Single 17 kDa band)

Concentration : 0.5 – 2.5 mg/ml See lot sp concn on the vial

Buffer: 50% Glycerol, 75 mM NaCl, 5 mM sodium phosphate, 0.025% NaN₃ (pH 7.2)

Storage -20oC (do not store at lower temperatures)

Stability: 6-12 months at –20oC or below.

Recommended Usage

ELISA, Western

References: Hayashi F (2001) Nature 410, 1099-1103; Mizel SB (2003) J. Immunol. 170, 6217-6223; Shcinder U (1994) Mol Cell. Biol. 14, 5820-5831

*This product is for In vitro research use only.

Related items

AntibodyType	Catalog#	ProdDescription
Mouse-Mono	MYG11-M	Monoclonal Anti-Human Myoglobin cardiac, antibody #1
Mouse-Mono	MYG12-M	Monoclonal Human Myoglobin cardiac, antibody #2
	MYG15-N-25	Myoglobin Pig Cardiac, purified protein
	MYG15-N-25	Myoglobin Mouse Cardiac, purified protein
	MYG16-N-25	Myoglobin Rat Cardiac, purified protein
Rabbit-Poly	MYG17-A	Anti-human Myoglobin cardiac protein IgG, aff pure
	MYG17-C	Myoglobin, Human Cardiac, purified protein control for western
	MYG17-N-25	Myoglobin, Human Cardiac, purified protein
	MYG18-N-25	Myoglobin, Dog Cardiac, purified protein
	MYG19-N-25	Myoglobin, Cow Cardiac, purified protein
	MYG20-N-25	Myoglobin Rabbit Cardiac, purified protein
	MYG21-N-25	Myoglobin Monkey Cardiac, purified protein
	MYG19-N-25	90901A