

Rat Cardiac Myoglobin

□ **Cat #** MYG16-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 : 0.25 – 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 temperature)

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, purified protein | Mouse | Cardiac, |
| | MYG16-N-25 | Myoglobin, purified protein | Rabbit | Cardiac, |
| Rabbit-Poly | MYG17-A | Anti-human cardiac protein IgG, aff pure | | Myoglobin |
| | MYG17-C | Myoglobin, purified protein control for western | Human | Cardiac, |
| | MYG17-N-25 | Myoglobin, purified protein | Human | Cardiac, |
| | MYG18-N-25 | Myoglobin, purified protein | Dog | Cardiac, |
| | MYG19-N-25 | Myoglobin, purified protein | Cow | Cardiac, |
| | MYG20-N-25 | Myoglobin, purified protein | Rabbit | Cardiac, |
| | MYG21-N-25 | Myoglobin, purified protein | Monkey | Cardiac, |
| | MYG16N-25 | 100728A | | |