

Product Specification Sheet

**Pig Cardiac Myoglobin**

□ **Cat #** MYG22-N-25

Myoglobin Pig Cardiac, purified protein

**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:** Pig cardiac tissue; purified using proprietary methods.

**Purity** ≥95% (SDS PAGE: ~ 17 kDa band;)

**Concentration** :0.5 – 2.5 mg/ml See lot sp conc. on the vial.

**Buffer:** 50% Glycerol, 75 mM NaCl, 5 mM sodium phosphate, 0.05% NaN<sub>3</sub> (pH 7.2)

**Storage** -20oC

**Stability:** 6-12 months at –20oC.

**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**

Catalog#	ProdDescription
MYG11-M	Monoclonal Anti-Human Myoglobin cardiac, antibody #1
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
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
MYG22-N-25	131120P