

## Goat Myoglobin ELISA Kit | Mb elisa kit

Goat Myoglobin ELISA Kit

CATALOG #  
**AAA91550**

REACTIVITY  
**Goat**

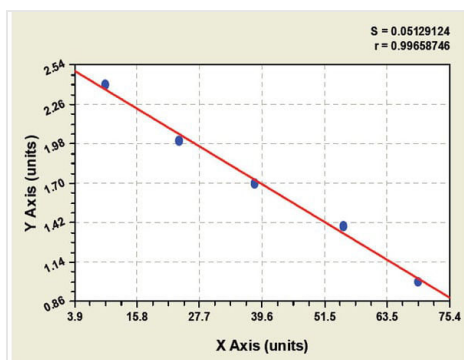
### PRODUCT SYNONYMS

Myoglobin; Goat Myoglobin ELISA Kit; Mb elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Goat                                                                                                                                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                |
| Assay Type              | Competitive                                                                                                                                                                               |
| Sensitivity             | 1.0 ng/mL.                                                                                                                                                                                |
| Intended Uses           | This MYO/MB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat MYO/MB. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C                                                                                                                                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for Mb elisa kit

**Principle of the Assay:** MYO/MB ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MYO/MB antibody and an MYO/MB-HRP conjugate. The assay sample and buffer are incubated together with MYO/MB-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MYO/MB concentration since MYO/MB from samples and MYO/MB-HRP conjugate compete for the anti-MYO/MB antibody binding site. Since the number of sites is limited, as more sites are occupied by MYO/MB from the sample, fewer sites are left to bind MYO/MB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MYO/MB concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for Mb elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 44955888                       |
| NCBI GeneID                      | 4151                           |
| NCBI Accession #                 | NP_976312.1                    |
| NCBI GenBank Nucleotide #        | NM_203378.1                    |
| UniProt Accession #              | P02144; Q52H51; Q5THY7; Q8WVH6 |
| Molecular Weight                 | 17,184 Da                      |
| NCBI Official Full Name          | myoglobin                      |
| NCBI Official Synonym Full Names | myoglobin                      |
| NCBI Official Symbol             | MB                             |
| NCBI Official Synonym Symbols    | PVALB                          |
| NCBI Protein Information         | myoglobin                      |
| UniProt Protein Name             | Myoglobin                      |
| UniProt Gene Name                | MB                             |
| UniProt Entry Name               | MYG_HUMAN                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/mb-goat-elisa-kits/myoglobin/91550>