

## Human Myoglobin (MYO) ELISA Kit | MYO elisa kit

Human Myoglobin (MYO) Mini Samples ELISA Kit

CATALOG #  
**AAA147341**

REACTIVITY  
**Human**

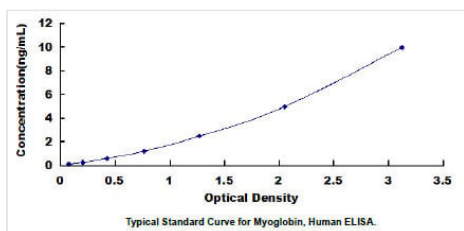
### PRODUCT SYNONYMS

Myoglobin (MYO); Human Myoglobin (MYO) Mini Samples ELISA Kit; PVALB; MB; MYO elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Human                                                                                                                                                                                                         |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of myoglobin. No significant cross-reactivity or interference between myoglobin and analogues was observed.                           |
| Sequence Length       | 154                                                                                                                                                                                                           |
| Samples               | Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids                                                                                                          |
| Assay Type            | Quantitative Sandwich                                                                                                                                                                                         |
| Detection Range       | 0.156-10ng/mL                                                                                                                                                                                                 |
| Sensitivity           | < 0.060ng/mL                                                                                                                                                                                                  |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level myoglobin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level myoglobin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for MYO elisa kit

**Intended Uses:** The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of myoglobin in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

**Principle of the Assay:** The microplate provided in this kit has been pre-coated with an antibody specific to myoglobin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to myoglobin. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain myoglobin, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of myoglobin in the samples is then determined by comparing the O.D. of the samples to the standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                        |
|----------------------------------|------------------------|
| NCBI GI #                        | 4885477                |
| NCBI GeneID                      | 4151                   |
| NCBI Accession #                 | NP_005359.1            |
| NCBI GenBank Nucleotide #        | NM_005368.2            |
| UniProt Accession #              | P02144; Q52H51; Q5THY7 |
| 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; myoglobin       |
| NCBI Protein Information         | myoglobin              |
| UniProt Protein Name             | Myoglobin              |
| UniProt Gene Name                | MB                     |

**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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/myoglobin-myo/147341>