

Mouse Myoglobin ELISA Kit | MYO/MB elisa kit

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CATALOG #
AAA83813

REACTIVITY
Mouse

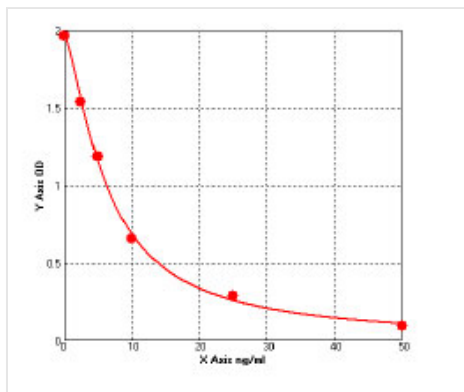
PRODUCT SYNONYMS

Myoglobin; Mouse Myoglobin ELISA Kit; MYO/MB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MYO. No significant cross-reactivity or interference between MYO and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MYO and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYO/MB elisa kit	Principle of the Assay: MYO ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MYO antibody and an MYO-HRP conjugate. The assay sample and buffer are incubated together with MYO-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 concentration since MYO from samples and MYO-HRP conjugate compete for the anti-MYO antibody binding site. Since the number of sites is limited, as more sites are occupied by MYO from the sample, fewer sites are left to bind MYO-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MYO concentration in each sample is interpolated from this standard curve. Intended Uses: This MYO ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse MYO. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for MYO/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
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; myoglobgin
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.

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Online datasheet: <https://stage.aaabiotech.com/myo-mb-mouse-elisa-kits/myoglobin/83813>