

Goat Myoglobin ELISA Kit | Mb elisa kit

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CATALOG #
AAA91550

REACTIVITY
Goat

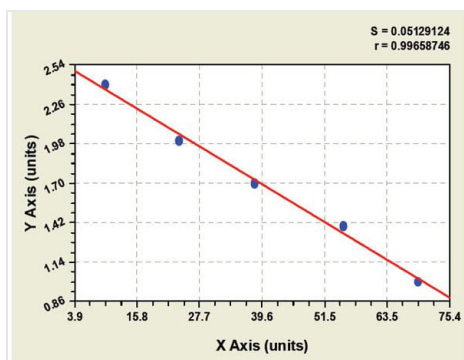
PRODUCT SYNONYMS

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 C)

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.

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Online datasheet: <https://stage.aaabiotech.com/mb-goat-elisa-kits/myoglobin/91550>