

Mouse Methemoglobin (MHB) ELISA Kit | MHB elisa kit

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CATALOG #
AAA332411

REACTIVITY
Mouse

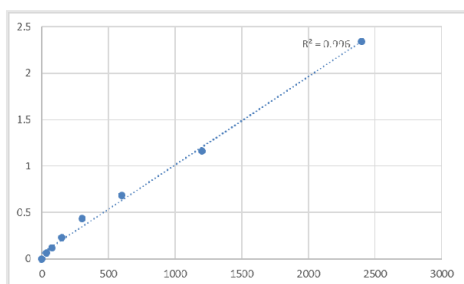
PRODUCT SYNONYMS

Methemoglobin (MHB); Mouse Methemoglobin (MHB) ELISA Kit; MHB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Methemoglobin (MHB) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse MHB. No significant cross-reactivity or interference between Mouse MHB and analogues was observed.
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Methemoglobin (MHB) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MHB elisa kit	Description: This Mouse Methemoglobin (MHB) ELISA Kit employs a two-site sandwich ELISA to quantitate MHB in samples. An antibody specific for MHB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MHB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MHB is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MHB bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Methemoglobin is a form of the oxygen-carrying metalloprotein hemoglobin, in which the iron in the heme group is in the Fe3+ (ferric) state, not the Fe2+ (ferrous) of normal hemoglobin. Methemoglobin cannot bind oxygen, unlike oxyhemoglobin. It is bluish chocolate-brown in color. In human blood a trace amount of methemoglobin is normally produced spontaneously, but when present in excess the blood becomes abnormally dark bluish brown. The NADH-dependent enzyme methemoglobin reductase (diaphorase I) is responsible for converting methemoglobin back to hemoglobin.
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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/mouse-elisa-kits/methemoglobin-mhb/332411>