

General Malondialdehyde (MDA) ELISA Kit | MDA elisa kit

General Malondialdehyde (MDA) High Sensitive ELISA Kit

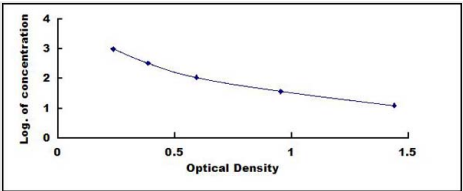
CATALOG # AAA188508	REACTIVITY General	APPLICATIONS ELISA
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PRODUCT SYNONYMS

Malondialdehyde (MDA); General Malondialdehyde (MDA) High Sensitive ELISA Kit; Malondialdehyde; MDA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Malondialdehyde (MDA). No significant cross-reactivity or interference between High Sensitive Malondialdehyde (MDA) and analogues was observed.
Assay Type	Competitive Inhibition
Samples	Serum, plasma and other biological fluids
Detection Range	12.35-1,000ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 4.94ng/mL
Applicable Applications for MDA elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Sensitive Malondialdehyde (MDA) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Sensitive Malondialdehyde (MDA) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to High Sensitive Malondialdehyde (MDA) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled High Sensitive Malondialdehyde (MDA) and unlabeled High Sensitive Malondialdehyde (MDA) (Standards or samples) with the pre-coated antibody specific to High Sensitive Malondialdehyde (MDA). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of High Sensitive Malondialdehyde (MDA) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of High Sensitive Malondialdehyde (MDA) in the sample.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.



Standard Curve (Sample)

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://www.aaabiotech.com/general-elisa-kits/malondialdehyde-mda/188508>