

Mouse D-lactic acid ELISA Kit

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CATALOG #
AAA190348

REACTIVITY
Mouse

PRODUCT SYNONYMS

D-lactic acid; Mouse D-lactic acid ELISA Kit; D-lactic acid elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse D-lactic acid. No significant cross-reactivity or interference between Mouse D-lactic acid and analogues was observed.
Assay Type	Quantitative Sandwich
Sample Types	Serum, Plasma, Other biological fluids
Detection Wavelength	450nm
Sample Volume	1-200uL
Precision	Intra-assay Precision (Precision within an assay): Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays): Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV<8% Inter-Assay: CV<12%
Test Principle	This assay employs a two-site sandwich ELISA to quantitate D-lactic acid in samples. An antibody specific for D-lactic acid has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any D-lactic acid present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for D-lactic acid 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 D-lactic acid bound in the initial step. The color development is stopped and the intensity of the color is measured.
Assay Duration	1-4.5h
Preparation and Storage	Store at 2-8 degree C

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/mouse-elisa-kits/d-lactic-acid/190348>