

Mouse Vanillylmandelic acid ELISA Kit | VMA elisa kit

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CATALOG #
AAA87417

REACTIVITY
Mouse

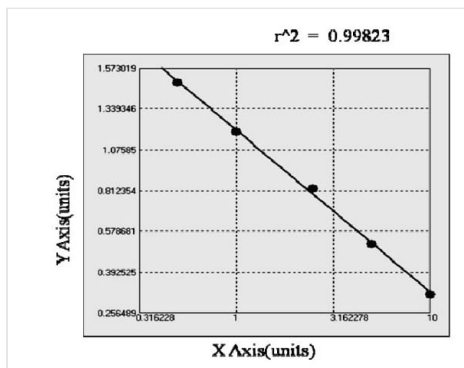
PRODUCT SYNONYMS

Vanillylmandelic acid; Mouse Vanillylmandelic acid ELISA Kit; VMA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	25-500ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This Vanillylmandelic acid ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse Vanillylmandelic acid. 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)

ADDITIONAL INFORMATION

Related Product Information for VMA elisa kit

Principle of the assay: Vanillylmandelic acid ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Vanillylmandelic acid antibody and an Vanillylmandelic acid-HRP conjugate. The assay sample and buffer are incubated together with Vanillylmandelic acid-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 Vanillylmandelic acid concentration since Vanillylmandelic acid from samples and Vanillylmandelic acid-HRP conjugate compete for the anti-Vanillylmandelic acid antibody binding site. Since the number of sites is limited, as more sites are occupied by Vanillylmandelic acid from the sample, fewer sites are left to bind Vanillylmandelic acid-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Vanillylmandelic acid concentration in each sample is interpolated from this standard curve.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/vma-mouse-elisa-kits/vanillylmandelic-acid/87417>