

Homovanillic Acid (HVA) ELISA Kit | HVA elisa kit

General Homovanillic Acid (HVA) Mini Samples ELISA Kit

CATALOG #
AAA147414

REACTIVITY
Pan-species (General)

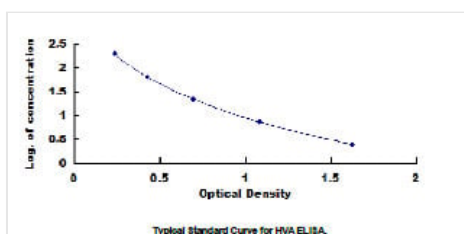
PRODUCT SYNONYMS

Homovanillic Acid (HVA); General Homovanillic Acid (HVA) Mini Samples ELISA Kit; HOC6H3(OCH3)CH2COOH; 3-Methoxy-4-hydroxyphenyl Acetic Acid; 4-Hydroxy-3-Methoxy-Benzeneacetic Acid; 4-Hydroxy-3-Methoxyphenylacetic Acid; HVA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pan-species (General)
Specificity	This assay has high sensitivity and excellent specificity for detection of HVA. No significant cross-reactivity or interference between HVA and analogues was observed.
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	2.47-200ng/mL
Sensitivity	Typically less than 0.85ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HVA were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HVA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HVA elisa kit

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of HVA in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to HVA has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled HVA and unlabeled HVA (Standards or samples) with the pre-coated antibody specific to HVA. 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 HVA in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of HVA in the 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://stage.aaabiotech.com/general-elisa-kits/homovanillic-acid-hva/147414>