

General Indole 3 Acetic Acid (IAA) ELISA Kit | IAA elisa kit

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CATALOG #
AAA20057

REACTIVITY
General

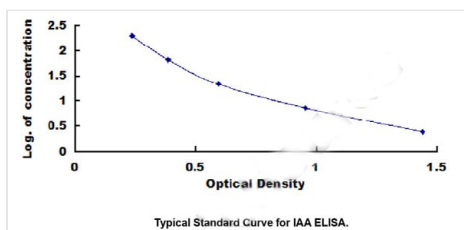
PRODUCT SYNONYMS

Indole 3 Acetic Acid (IAA); General Indole 3 Acetic Acid (IAA) ELISA Kit; IA-A; Indolylacetic Acid; Indoleacetic Acid; Heteroauxin; IAA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of IAA. No significant cross-reactivity or interference between IAA and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Tissue or cell culture supernates
Detection Range	2.47-200ng/mL
Sensitivity	< 0.88ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IAA 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 IAA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IAA elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to IAA has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled IAA and unlabeled IAA (Standards or samples) with the pre-coated antibody specific to IAA. 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 IAA in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of IAA in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of IAA in tissue or cell culture supernates.
Product Categories/Family for IAA elisa kit	Signal transduction; Hormone metabolism

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/indole-3-acetic-acid-iaa/20057>