

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

General Indole 3 Acetic Acid (IAA) Mini Samples ELISA Kit

CATALOG #
AAA147364

REACTIVITY
Pan-species (General)

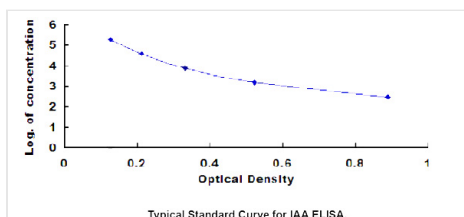
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Pan-species (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.
Sequence Length	825
Assay Type	Quantitative Competitive
Samples	Tissue or cell culture supernates
Detection Range	320-200,000pg/mL
Sensitivity	< 112pg/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%

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. An 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	910737134
Molecular Weight	88,759 Da
NCBI Official Full Name	indole-3-acetic acid
UniProt Protein Name	Auxin-responsive protein
UniProt Gene Name	MpIAA

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/147364>