

General Absciscic Acid (ABA) ELISA Kit | ABA elisa kit

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CATALOG #
AAA182247

REACTIVITY
General

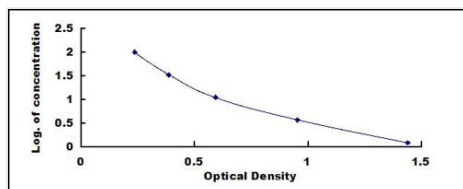
PRODUCT SYNONYMS

Absciscic Acid (ABA); General Absciscic Acid (ABA) ELISA Kit; AB-A; abscisin II; Dormin; ABA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of Absciscic Acid (ABA). No significant cross-reactivity or interference between Absciscic Acid (ABA) and analogues was observed.
Sequence Length	175
Assay Type	Competitive Inhibition
Samples	Tissue or Cell Culture Supernates
Detection Range	1.23-100ng/mL
Sensitivity	< 0.54ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Absciscic Acid (ABA) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Absciscic Acid (ABA) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 ABA elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Absciscic Acid (ABA) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Absciscic Acid (ABA) and unlabeled Absciscic Acid (ABA) (Standards or samples) with the pre-coated antibody specific to Absciscic Acid (ABA). 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 Absciscic Acid (ABA) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Absciscic Acid (ABA) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	930580472
Molecular Weight	19,601 Da
NCBI Official Full Name	abscisic acid
UniProt Protein Name	Abscisic acid
UniProt Gene Name	PYL4

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/abscisic-acid-aba/182247>