

Mouse Activation-induced cytidine deaminase (AICDA) ELISA Kit | AICDA elisa kit

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CATALOG #
AAA244748

REACTIVITY
Mouse

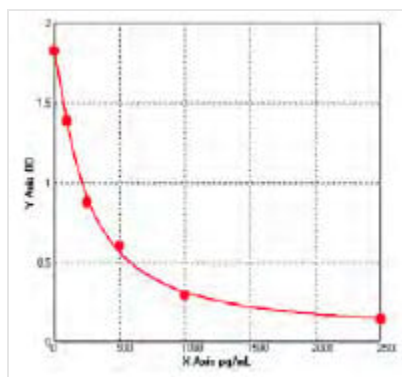
PRODUCT SYNONYMS

Activation-induced cytidine deaminase (AICDA); Mouse Activation-induced cytidine deaminase (AICDA) ELISA Kit; AICDA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of AICDA. No significant cross-reactivity or interference between AICDA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AICDA and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AICDA elisa kit	Intended Uses: This AICDA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse AICDA. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: AICDA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AICDA antibody and an AICDA-HRP conjugate. The assay sample and buffer are incubated together with AICDA-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 AICDA concentration since AICDA from samples and AICDA-HRP conjugate compete for the anti-AICDA antibody binding site. Since the number of sites is limited, as more sites are occupied by AICDA from the sample, fewer sites are left to bind AICDA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AICDA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for AICDA elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	9988410
NCBI GeneID	57379
Molecular Weight	22,614 Da
NCBI Official Full Name	activation-induced cytidine deaminase
NCBI Official Synonym Full Names	activation-induced cytidine deaminase
NCBI Official Symbol	AICDA
NCBI Official Synonym Symbols	AID; ARP2; CDA2; HIGM2; HEL-S-284
NCBI Protein Information	single-stranded DNA cytosine deaminase; cytidine aminohydrolase; epididymis secretory protein Li 284; integrated into Burkitt's lymphoma cell line Ramos
UniProt Protein Name	Single-stranded DNA cytosine deaminase
UniProt Gene Name	AICDA
UniProt Synonym Gene Names	AID
UniProt Entry Name	AICDA_HUMAN

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/mouse-elisa-kits/activation-induced-cytidine-deaminase-aicda/244748>