

Human Cytidine Deaminase (CDA) ELISA Kit | CDA elisa kit

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CATALOG #
AAA129605

REACTIVITY
Human

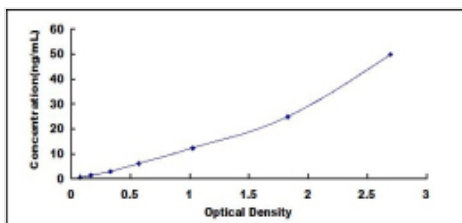
PRODUCT SYNONYMS

Cytidine Deaminase (CDA); Human Cytidine Deaminase (CDA) ELISA Kit; CDD; Cytidine aminohydrolase; CDA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Cytidine Deaminase (CDA). No significant cross-reactivity or interference between Cytidine Deaminase (CDA) and analogues was observed.
Sequence Length	146
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.27ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cytidine Deaminase (CDA) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cytidine Deaminase (CDA) 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 CDA elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cytidine Deaminase (CDA). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cytidine Deaminase (CDA). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Cytidine Deaminase (CDA), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Cytidine Deaminase (CDA) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CDA elisa kit	Enzyme & Kinase; Hematology; Genetic science

NCBI AND UNIPROT INFORMATION

NCBI GI #	11386157
NCBI GeneID	978
NCBI Accession #	NP_001776.1
NCBI GenBank Nucleotide #	NM_001785.2
UniProt Accession #	P32320
Molecular Weight	16,185 Da
NCBI Official Full Name	cytidine deaminase
NCBI Official Synonym Full Names	cytidine deaminase
NCBI Official Symbol	CDA
NCBI Official Synonym Symbols	CDD
NCBI Protein Information	cytidine deaminase
UniProt Protein Name	Cytidine deaminase
UniProt Gene Name	CDA
UniProt Synonym Gene Names	CDD
UniProt Entry Name	CDD_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/human-elisa-kits/cytidine-deaminase-cda/129605>