

Rat Cytidine deaminase (CDA) ELISA Kit | CDA elisa kit

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CATALOG #
AAA246013

REACTIVITY
Rat

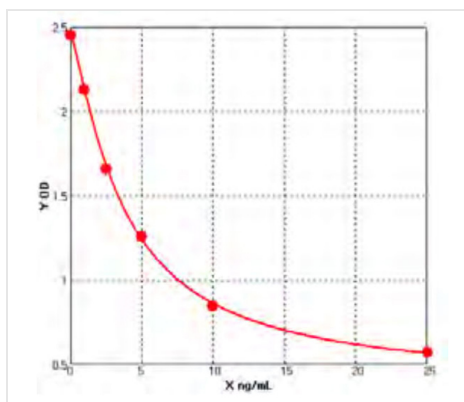
PRODUCT SYNONYMS

Cytidine deaminase (CDA); Rat Cytidine deaminase (CDA) ELISA Kit; CDA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CDA. No significant cross-reactivity or interference between CDA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CDA and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	11386157
NCBI GeneID	978
NCBI Accession #	NP_001776.1
NCBI GenBank Nucleotide #	NM_001785.2
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; cytidine aminohydrolase; small cytidine deaminase; cytosine nucleoside 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/rat-elisa-kits/cytidine-deaminase-cda/246013>