

Human Adenosine Deaminase ELISA Kit | ADA elisa kit

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CATALOG #
AAA16650

REACTIVITY
Human

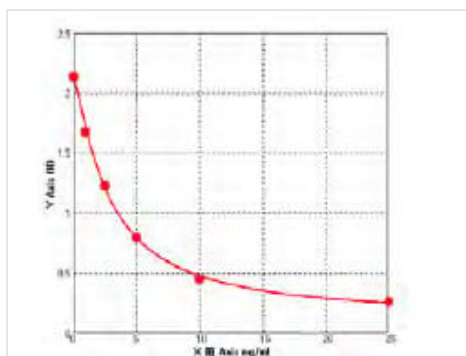
PRODUCT SYNONYMS

Adenosine Deaminase; Human Adenosine Deaminase ELISA Kit; ADA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 ADA elisa kit

Intended Uses: This ADA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ADA. This ELISA kit for research use only!

Principle of the Assay: ADA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ADA antibody and an ADA-HRP conjugate. The assay sample and buffer are incubated together with ADA-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 ADA concentration since ADA from samples and ADA-HRP conjugate compete for the anti-ADA antibody binding site. Since the number of sites is limited, as more sites are occupied by ADA from the sample, fewer sites are left to bind ADA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADA concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47078295
NCBI GeneID	100
NCBI Accession #	NP_000013.2
NCBI GenBank Nucleotide #	NM_000022.2
Molecular Weight	40,764 Da
NCBI Official Full Name	adenosine deaminase
NCBI Official Synonym Full Names	adenosine deaminase
NCBI Official Symbol	ADA
NCBI Protein Information	adenosine deaminase; adenosine aminohydrolase
UniProt Protein Name	Adenosine deaminase
UniProt Gene Name	ADA
UniProt Synonym Gene Names	ADA1
UniProt Entry Name	ADA_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/ada-human-elisa-kits/adenosine-deaminase/16650>