Cytidine Deaminase (CDA) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cytidine Deaminase (CDA), ELISA Kit
Full Product Name	Human Cytidine Deaminase (CDA) ELISA Kit
Product Gene Name	CDA elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Detection Range	0.781-50ng/mL
Sensitivity	0.28ng/mL
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Molecular Weight	16,185 Da
OMIM	L27943 mRNA
3D Structure	ModBase 3D Structure for P32320
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for CDA elisa kit	MBS456035 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cytidine Deaminase (CDA) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CDA. The ELISA analytical biochemical technique of the MBS456035 kit is based on CDA antibody-CDA antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CDA antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CDA. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of CDA elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDA. It may not necessarily be applicable to this product.

NCBI GI #	11386157
NCBI GeneID	978
NCBI Accession #	NP_001776.1
UniProt Primary Accession #	P32320
UniProt Related Accession #	P32320
GenBank Nucleotide #	NM_001785.2
NCBI Official Full Name	cytidine deaminase
NCBI Official Synonym Full Names	cytidine deaminase

NCBI Official Symbol	CDA
NCBI Official Synonym Symbols	CDD
UniProt Protein Name	Cytidine deaminase
UniProt Synonym Protein Names	Cytidine aminohydrolase
Protein Family	Calcium-transporting ATPase
UniProt Gene Name	CDA
UniProt Synonym Gene Names	CDD
NCBI Protein Information	cytidine deaminase
NCBI Summary for CDA	This gene encodes an enzyme involved in pyrimidine salvaging. The encoded protein forms a homotetramer that catalyzes the irreversible hydrolytic deamination of cytidine and deoxycytidine to uridine and deoxyuridine, respectively. It is one of several deaminases responsible for maintaining the cellular pyrimidine pool. Mutations in this gene are associated with decreased sensitivity to the cytosine nucleoside analogue cytosine arabinoside used in the treatment of certain childhood leukemias. [provided by RefSeq, Jul 2008]
UniProt Comments for CDA	This enzyme scavenges exogenous and endogenous cytidine and 2'-deoxycytidine for UMP synthesis.
Research Articles on CDA	**1.** results indicate that rs2072671 in CDA may be an important prognostic marker in NK-AML patients.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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