



# Anti-CDA monoclonal antibody (DCABH-10933)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	A synthetic peptide of human CDA is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CDA cytidine deaminase [ Homo sapiens ]</a>
<b>Official Symbol</b>	CDA

<b>Synonyms</b>	CDA; cytidine deaminase; CDD; cytidine aminohydrolase; small cytidine deaminase; cytosine nucleoside deaminase;
<b>Entrez Gene ID</b>	<a href="#">978</a>
<b>Protein Refseq</b>	<a href="#">NP_001776</a>
<b>UniProt ID</b>	<a href="#">P32320</a>
<b>Chromosome Location</b>	1p36.2-p35
<b>Pathway</b>	Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Fluoropyrimidine Activity, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Pyrimidine metabolism, organism-specific biosystem;
<b>Function</b>	cytidine deaminase activity; cytidine deaminase activity; hydrolase activity; metal ion binding; nucleoside binding; protein homodimerization activity; zinc ion binding; zinc ion binding;