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CDA Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP2868c

Specification

CDA Antibody (Center) Blocking Peptide - Product Information

Primary Accession P32320

CDA Antibody (Center) Blocking Peptide - Additional Information

Gene ID 978

Other Names
Cytidine deaminase, Cytidine aminohydrolase, CDA, CDD

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2868c was selected from the Center region of human CDA. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CDA Antibody (Center) Blocking Peptide - Protein Information

Name CDA (HGNC:1712)

Synonyms CDD

Function
This enzyme scavenges exogenous and endogenous cytidine and 2'-deoxycytidine for UMP synthesis.

Tissue Location
Highly expressed in granulocytes while expression is very low in fibroblasts, chondrocytes, monocytes, and T- as well as B-cell lines

CDA Antibody (Center) Blocking Peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

CDA Antibody (Center) Blocking Peptide - Images

CDA Antibody (Center) Blocking Peptide - Background

CDA forms a homotetramer that catalyzes the irreversible hydrolytic deamination of cytidine and deoxycytidine to uridine and deoxyuridine, respectively. This protein is one of several deaminases responsible for maintaining the cellular pyrimidine pool. Mutations in the CDA gene are associated with decreased sensitivity to the cytosine nucleoside analogue cytosine arabinoside used in the treatment of certain childhood leukemias.

CDA Antibody (Center) Blocking Peptide - References

Laliberte J., Momparler R.L.Cancer Res. 54:5401-5407(1994)Demontis S., Terao M.Biochim. Biophys. Acta 1443:323-333(1998) Kuhn K., Bertling W.M., Emmrich F.Biochem. Biophys. Res. Commun. 190:1-7(1993)