

Mouse Adenosine deaminase Monoclonal Antibody | anti-ADA antibody

Adenosine deaminase Monoclonal Antibodies

CATALOG # AAA47859	HOST Mouse	APPLICATIONS ELISA, Immunoblot, Western Blot
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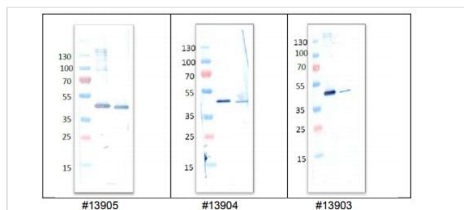
PRODUCT SYNONYMS

Adenosine deaminase; Monoclonal Antibody; Adenosine deaminase Monoclonal Antibodies; anti-ADA antibody

PRODUCT SPECIFICATIONS

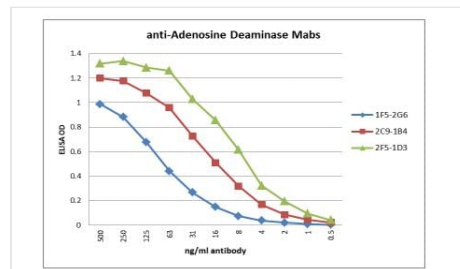
Host	Mouse
Clonality	Monoclonal
Specificity	Native and recombinant ADA
Form/Format	Protein G-purified antibody in PBS, pH 7.4.
Sequence Length	363
Applicable Applications for anti-ADA antibody	ELISA, IB (Immunoblot)
Immunogen	Native ADA purified from calf spleen and recombinant human ADA.
Preparation and Storage	These antibodies are stable for at least one (1) year at -20 degree C. Store in appropriate aliquots to avoid multiple freeze-thaw cycles.

IMAGES



Application Data

Lane 1: mw markers; Lane 2: recombinant human ADA; Lane 3: calf spleen ADA



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-ADA antibody

Adenosine deaminase (ADA) is a purine catabolic enzyme which irreversibly deaminates adenosine and deoxyadenosine. It is needed for the breakdown of adenosine from food and for the turnover of nucleic acids in tissues. ADA deficiency (due to mutations in the ADA gene) results in severe combined immunodeficiency (SCID) as a result of accumulation of deoxyadenosine which, in turn, leads to (1) a buildup of dATP which inhibits ribonucleotide reductase and prevents DNA synthesis; since developing T cells and B cells are some of the most mitotically active cells, they are highly susceptible to this condition, and (2) an increase in Sadenosylhomocysteine since ADA is important in the purine salvage pathway; both substances are toxic to immature lymphocytes, which thus fail to mature.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47078295
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NCBI GeneID	100
NCBI Accession #	NP_000013.2
NCBI GenBank Nucleotide #	NM_000022.3
UniProt Accession #	P00813 ; Q53F92 ; Q6LA59
Molecular Weight	40,764 Da
NCBI Official Full Name	adenosine deaminase isoform 1
NCBI Official Synonym Full Names	adenosine deaminase
NCBI Official Symbol	ADA
NCBI Protein Information	adenosine deaminase
UniProt Protein Name	Adenosine deaminase
UniProt Gene Name	ADA
UniProt Synonym Gene Names	ADA1

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/monoclonal/adenosine-deaminase-antibody-immunoblot-elisa/47859>