

Product datasheet for **TA396909S**

ADA Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	WB: 1:500 - 1:5,000 ELISA: 1:1,000 - 1:5,000
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Adenosine Deaminase [Calf Spleen] ADA
Specificity:	Adenosine deaminase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Adenosine Deaminase [Calf Spleen]. Cross reactivity against Adenosine Deaminase from other sources is unknown.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg/mL - lot specific
Conjugation:	HRP
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	P56658

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Background:

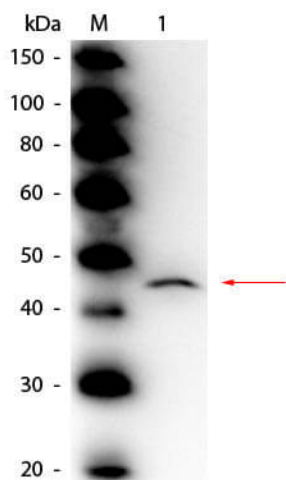
Adenosine deaminase (adenosine aminohydrolase, or ADA) is an enzyme involved in purine metabolism. It is needed for the breakdown of adenosine from food and for the turnover of nucleic acids in tissues. ADA irreversibly deaminates adenosine, converting it to the related nucleoside inosine by the substitution of the amino group for a hydroxyl group. ADA irreversibly deaminates adenosine, converting it to the related nucleoside inosine by the substitution of the amino group for a hydroxyl group. Inosine can then be deribosylated by another enzyme called purine nucleoside phosphorylase (PNP), converting it to hypoxanthine.

Synonyms:

rabbit anti-Adenosine Deaminase Antibody Peroxidase Conjugation, HRP conjugated rabbit anti-Adenosine Deaminase Antibody, Adenosine deaminase, Adenosine aminohydrolase

Note:

Anti-Adenosine deaminase Peroxidase antibody has been tested by ELISA and western blot and is assayed against 1.0 ug of Adenosine Deaminase [Calf Spleen] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:20,000 to 1:100,000 of the reconstitution concentration is suggested for this product.

Product images:


Western Blot of Rabbit anti-Adenosine Deaminase Antibody Peroxidase Conjugated. Lane 1: Adenosine Deaminase (Calf Spleen). Load: 50 ng per lane. Primary antibody: Rabbit anti-Adenosine Deaminase Antibody Peroxidase Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: n/a. Block: MB-070 for 30 min at RT. Predicted/Observed size: 41 kDa, 45 kDa for Adenosine Deaminase (Calf Spleen).