

## Native Calf Adenosine Deaminase

### Product Information

<b>Cat#</b>	DIA-271
<b>Similar</b>	ADA
<b>Source</b>	Calf Spleen
<b>Description</b>	Adenosine deaminase is an enzyme (EC 3.5.4.4) involved in purine metabolism. It is needed for the breakdown of adenosine from food and for the turnover of nucleic acids in tissues. Present in virtually all mammalian cells, its primary function in Humans is the development and maintenance of the immune system.
<b>Activity</b>	150~200U/mg protein
<b>CAS No.</b>	9026-93-1
<b>Isoelectric point</b>	4.85
<b>Unit Definition</b>	One unit will deaminate one micromole of adenosine to inosine per minute at pH 7.4 at 25°C.
<b>Storage</b>	Storage: Temperature 2-8 centigrade
<b>Synonyms</b>	ADA; adenosine deaminase; adenosine aminohydrolase; 9026-93-1; EC 3.5.4.4
<b>Enzyme Commission Number</b>	EC 3.5.4.4
<b>pH Stability</b>	4.0~10.0
<b>Michaelis Constant</b>	2.2x10 <sup>-5</sup> M (androsterone)
<b>Optimum pH</b>	7.4
<b>Optimum temperature</b>	75°C
<b>Thermal stability</b>	< 60°C (pH7.4, 20min)
<b>Inhibitors</b>	Ag <sup>+</sup> , Hg <sup>2+</sup> , Cu <sup>2+</sup>



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## Native Calf Adenosine Deaminase

<b>Abbr</b>	ADA (Calf Spleen)
<b>Alias</b>	ADA
<b>Molecular Weight</b>	33 kDa (SDS-PAGE)
<b>Species</b>	Calf

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