

Native Calf Adenosine Deaminase

Product Information

Cat#	DIA-271
Similar	ADA
Source	Calf Spleen
Description	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.
Activity	150~200U/mg protein
CAS No.	9026-93-1
Isoelectric point	4.85
Unit Definition	One unit will deaminate one micromole of adenosine to inosine per minute at pH 7.4 at 25°C.
Storage	Storage: Temperature 2-8 centigrade
Synonyms	ADA; adenosine deaminase; adenosine aminohydrolase; 9026-93-1; EC 3.5.4.4
Enzyme Commission Number	EC 3.5.4.4
pH Stability	4.0~10.0
Michaelis Constant	2.2x10 ⁻⁵ M (androsterone)
Optimum pH	7.4
Optimum temperature	75°C
Thermal stability	< 60°C (pH7.4, 20min)
Inhibitors	Ag ⁺ , Hg ²⁺ , Cu ²⁺

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Abbr	ADA (Calf Spleen)
Alias	ADA
Molecular Weight	33 kDa (SDS-PAGE)
Species	Calf