Creative Enzymes
Diagnostic Enzymes

Native Porcine Alkaline Phosphatase

Product Information

Cat#	NATE-0059
Abbr	ALP, Native (Porcine)
Alias	ALP; ALKP
Similar	ALP
Species	Porcine
Source	Porcine kidney
Description	Alkaline phosphatase (ALP, ALKP, ALPase, Alk Phos) (EC 3.1.3.1) is a hydrolase enzyme responsible for removing phosphate groups from many types of molecules, including nucleotides, proteins, and alkaloids. The process of removing the phosphate group is called dephosphorylation. As the name suggests, alkaline phosphatases are most effective in an alkaline environment. It is sometimes used synonymously as basic phosphatase.
Applications	Alkaline phosphatase is used for conjugation to antibodies and other proteins for ELISA, Western blotting, and hist ochemical detection. Alkaline phosphatase is also used to prevent DNA self ligation and for radiolabeling.
Package	Package size based on DEA units
Form	Freeze dried powder
Enzyme Commission Number	EC 3.1.3.1
Activity	>100U/mg
CAS No.	9001-78-9
Unit Definition	One unit will hydrolyze 1.0 μmole of p-nitrophenyl phosphate per min at pH 9.8 at 37°C.
Storage	−20°C
Warnings	Protein determined by biuret.

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Synonyms	Alkaline phosphatase; ALP; ALKP; ALPase; Alk Phos; EC 3.1.3.1; Alkaline phosphomonoesterase; Glycerophosphatase; Phosphomonoesterase

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