



Creative Enzymes

Diagnostic Enzymes

Alkaline Phosphatase

Product Information

Cat#	TRA-047
Description	Alkaline phosphatases are a class of non-specific hydrolases exhibiting high catalytic activity under alkaline conditions, capable of hydrolyzing nearly all phosphate monester bonds to yield orthophosphate and corresponding alcohols, phenols, and sugars. Bovine intestinal alkaline phosphatase is a homodimer characterized by high enzymatic activity and excellent thermal stability.
Applications	As a labeling enzyme for conjugates of antibodies, antigens, etc., used in highly sensitive immunoassay reagents for colorimetric, fluorescent, luminescent detection, and immunohistochemistry. Recommended for conjugation via glycosylation side chains.
Form	Colorless clear liquid
Source	Genetically engineered <i>Pichia pastoris</i> carrying bovine intestinal alkaline phosphatase gene
Activity	≥ 2000 U/mg
Concentration	10±1 mg/mL
Molecular Weight	140 kDa
Purity	≥ 95 % by HPLC
Storage Buffer	3 mol/L NaCl, 5 mmol/L MgCl ₂ , 0.1 mmol/L ZnCl ₂ , 30 mmol/L Tris, pH 7.6.
Storage	Store at 2°C to 8°C, sealed.
Notes	This material is intended for use in vitro diagnostic products only and must not be used in human subjects or in vivo experiments. For your safety and health, please wear a lab coat and gloves when handling.

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