

Alkaline Phosphatase Bovine

Description: The Alkaline Phosphatase is purified by affinity chromatography, which results in an enzyme of high specific activity and purity. Alkaline Phosphatase is a dimeric protein having a molecular weight of 140 kDa, one Zn^{++} ion is tightly bound to each subunit, and another less tightly bound is involved in the catalytic reaction. Mg^{++} stimulates the catalysis. The binding site for Mg^{++} is different to that of Zn^{++} , but will be occupied by excess Zn^{++} followed by loss of enzyme activity.

Catalog #: ENPS-329

For research use only.

Synonyms: EC 3.1.3.1, IAP, AP.

Source: Calf Intestine.

Physical Appearance: Sterile Filtered clear colorless solution.

Purity: 95% pure by Gel Filtration.

Formulation:

50% glycerol, 5mM $MgCl_2$, 0.1mM $ZnCl_2$ and 5mM TRIS, pH 7.0.

Stability:

AP should be stored at 4°C. Please Do-Not freeze.

Usage:

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Biological Activity:

>1000 U/mg (pH 9.6, 25°C and 0.025M glycine, 10% glycerol as buffer).

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