Alkaline Phosphatase

From calf intestine EIA grade
Orthophosphorimonoester phosphohydrolase (alkaline optimum), EC 3.1.3.1

Cat. No. 10 567 752 001 15 mg (1.5 ml)

Product overview

Formulation
Solution in 3 M NaCl, pH 7.6, 1 mM magnesium chloride, 0.1 mM zinc chloride, 30 mM triethanolamine.

Note: The enzyme solution is ready for use and can be used without prior dialysis for coupling.

Protein concentration
10 mg/ml

Specific activity
Approx. 3000 U/mg enzyme protein (+37°C, 4-nitrophenyl phosphate, diethanolamine as buffer).

Activity determination
The activity determination is performed according to (1) at +37°C in 1 M diethanolamine buffer, pH 9.6, with 4-nitrophenyl phosphate as substrate.

Purity
Single peak (HPLC)

Amino groups
8–16 moles/mole enzyme

Application
Alkaline phosphatase can be coupled to other proteins via its amino groups. The enzyme solution can be used directly for conjugation without prior dialysis.

Storage/Stability
Stable at +2 to +8°C until the expiration date printed on the label.

Protocols
General instructions for labeling immunoglobulines with enzymes please find in:

References

Changes to previous version
Regulatory Disclaimer updated.

Ordering Information
Roche Applied Science offers a large selection of reagents and systems for life science research. For a complete overview of related products and manuals, please visit and bookmark our home page http://www.roche-applied-science.com

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