

For life science research only.
Not for use in diagnostic procedures.



Alkaline Phosphatase

EIA grade, from calf intestine

 **Version: 19**

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Orthophosphoric monoester phosphohydrolase (alkaline optimum)


Cat. No. 10 567 752 001 15 mg
1.5 ml, 10 mg/ml

Store the product at +2 to +8°C.

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1. General Information

1.1. Contents

Vial / bottle	Label	Function / description	Content
1	Phosphatase, alkaline	<ul style="list-style-type: none"> Ready-to-use solution in 3 M NaCl, pH 7.6, 1 mM magnesium chloride, 0.1 mM zinc chloride, 30 mM triethanolamine.  <i>The enzyme solution can be used without prior dialysis for coupling.</i> Protein concentration: 10 mg/ml Amino groups: 8 to 16 moles/mole enzyme. 	1 vial, 1.5 ml

1.2. Storage and Stability

Storage Conditions (Product)

When stored at +2 to +8°C, the product is stable through the expiry date printed on the label.

Vial / bottle	Label	Storage
1	Phosphatase, alkaline	Store at +2 to +8°C.

1.3. Application

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

2. How to Use this Product

2.1. Protocols

General instructions for labeling immunoglobulins with enzymes can be found in the published literature.

2.2. Parameters

EC-Number

EC 3.1.3.1

Purity

Single peak (HPLC)









Specific Activity

Approximately 3,000 U/mg enzyme protein (+37°C, 4-nitrophenyl phosphate, diethanolamine as buffer). The activity determination is performed at +37°C in 1 M diethanolamine buffer, pH 9.8, with 4-nitrophenyl phosphate as substrate.

3. Supplementary Information

3.1. Conventions

To make information consistent and easier to read, the following text conventions and symbols are used in this document to highlight important information:

Text convention and symbols	
 <i>Information Note: Additional information about the current topic or procedure.</i>	
 Important Note: Information critical to the success of the current procedure or use of the product.	
   etc.	Stages in a process that usually occur in the order listed.
   etc.	Steps in a procedure that must be performed in the order listed.
* (Asterisk)	The Asterisk denotes a product available from Roche Diagnostics.

3.2. Changes to previous version

Layout changes.
Editorial changes.

3.3. Trademarks

All product names and trademarks are the property of their respective owners.

3.4. License Disclaimer

For patent license limitations for individual products please refer to:
List of biochemical reagent products.

3.5. Regulatory Disclaimer

For life science research only. Not for use in diagnostic procedures.

3.6. Safety Data Sheet

Please follow the instructions in the Safety Data Sheet (SDS).

3.7. Contact and Support

To ask questions, solve problems, suggest enhancements or report new applications, please visit our **Online Technical Support Site.**

To call, write, fax, or email us, visit **sigma-aldrich.com**, and select your home country. Country-specific contact information will be displayed.