

Datasheet: NB-47-00246-5MG

<b>Description:</b>	NATIVE CALF ALKALINE PHOSPHATASE
<b>Name:</b>	ALKALINE PHOSPHATASE
<b>Other names:</b>	AP
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	5 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.neo-biotech.com](http://www.neo-biotech.com).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Product Form</b>	Purified AP from calf intestine - liquid
<b>Preparation</b>	Crystalline suspension. Free of endonuclease, exonuclease and RNase activities.
<b>Buffer Solution</b>	70% Ammonium sulphate.
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	Total protein concentration 15.0 mg/ml
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P19111</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">280993</a> ALPI <a href="#">Related reagents</a>
<b>Protein Molecular</b>	110-150 kDa

**Weight**

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**Activity** 4000 U/mg protein.  
1 unit liberates 1 µmole of p-nitrophenol per minute at 37°C and pH 9.8 in DEA buffer.  
Activity is determined by measuring the increase in the optical density at 405nm resulting from the hydrolysis of p-nitrophenyl phosphate.

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**Instructions For Use** The product may be diluted in sterile distilled water or in dilute buffer

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**References** 1. Winkelman, J. *et al.* (1972) The clinical usefulness of alkaline phosphatase isoenzyme determinations. [Am J Clin Pathol. 57 \(5\): 625-34.](#)

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**Storage** Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted.  
Avoid repeated freezing and thawing as this may denature the antibody.  
Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10315 available at: [www.neo-biotech.com](http://www.neo-biotech.com).

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**Regulatory** For research purposes only

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