

Datasheet: 0300-1706

Description:	NATIVE CALF ALKALINE PHOSPHATASE
Name:	ALKALINE PHOSPHATASE
Other names:	AP
Format:	Purified
Product Type:	Purified Protein
Quantity:	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.bio-rad-antibodies.com/protocols.

	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.

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

Weight**Activity**

4000 U/mg protein.

1 unit liberates 1 μ mole 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.

Instructions For Use

The product may be diluted in sterile distilled water or in dilute buffer

References

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

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10315 available at:

<https://www.bio-rad-antibodies.com/SDS/0300-1706>

10315

Regulatory

For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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