

Datasheet: 0300-1706

BATCH NUMBER 161404

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: P19111 Related reagents</p> <p>Entrez Gene: 280993 ALPI Related reagents</p>

Protein Molecular Weight	110-150 kDa
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.
Instructions For Use	The product may be diluted in sterile distilled water or in dilute buffer
References	1. Winkelman, J. <i>et al.</i> (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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