

Datasheet: 0300-1706

**BATCH NUMBER 157188**

<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.bio-rad-antibodies.com/protocols](http://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.

<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>	<p><b>UniProt:</b></p> <p><a href="#">P19111</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">280993</a>    ALPI    <a href="#">Related reagents</a></p>

<b>Protein Molecular Weight</b>	110-150 kDa
<b>Activity</b>	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.
<b>Instructions For Use</b>	The product may be diluted in sterile distilled water or in dilute buffer
<b>References</b>	1. Winkelman, J. <i>et al.</i> (1972) The clinical usefulness of alkaline phosphatase isoenzyme determinations. <a href="#">Am J Clin Pathol. 57 (5): 625-34.</a>
<b>Storage</b>	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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10315 available at: <a href="https://www.bio-rad-antibodies.com/SDS/0300-1706">https://www.bio-rad-antibodies.com/SDS/0300-1706</a> 10315
<b>Regulatory</b>	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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