

Datasheet: 0300-2304

Description:	NATIVE HUMAN ALKALINE PHOSPHATASE
Name:	ALKALINE PHOSPHATASE
Other names:	AP
Format:	Purified
Product Type:	Purified Protein
Quantity:	100 UNITS

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 the appropriate negative/positive controls.

Target Species	Human
Product Form	Purified AP from human placenta - liquid
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	None present.
External Database Links	<p>UniProt: P05187 Related reagents</p> <p>Entrez Gene: 250 ALPP Related reagents</p>
Synonyms	PLAP

Product Information **Native Human alkaline phosphatase** is a liquid preparation of purified alkaline phosphatase derived from human placenta. Alkaline phosphatases are ubiquitous

enzymes, occurring in species from bacteria to higher vertebrates, including man. They catalyse the hydrolysis of phosphate monoesters at basic pH values. In man there are four forms of alkaline phosphatase depending on tissue expression patterns. The four types are 'intestinal ALP', 'Placental ALP', 'germ cell ALP' and 'tissue non-specific ALP', also known as liver/ bone/ kidney ALP.

Activity 1069U/mg solid
1000U/ml

One unit liberates one micromole of p-nitrophenol per minute at 37°C, pH 9.8 in diethanolamine buffer

Purity Biuret: 95%

References 1. Chrysanthopoulou, A. *et al.* (2017) Interferon lambda1/IL-29 and inorganic polyphosphate are novel regulators of neutrophil-driven thromboinflammation. [J Pathol. 243 \(1\): 111-22.](#)

Storage Store at -20°C only.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10209 available at: <https://www.bio-rad-antibodies.com/SDS/0300-2304>
10209

Donor material tested and found negative for Hepatitis and HIV.

As no test can completely guarantee this material to be free of pathogens it should be handled as potentially infectious.

Regulatory For research purposes only

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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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