

## Datasheet: 0300-2304

|                      |                                   |
|----------------------|-----------------------------------|
| <b>Description:</b>  | NATIVE HUMAN 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>     | 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](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 the appropriate negative/positive controls.

|                                 |   |
|---------------------------------|---|
| <b>Target Species</b>           | Human   |
| <b>Product Form</b>             | Purified AP from human placenta - liquid  |
| <b>Buffer Solution</b>          | Phosphate buffered saline.  |
| <b>Preservative Stabilisers</b> | None present.   |
| <b>External Database Links</b>  | <p><b>UniProt:</b><br/> <a href="#">P05187</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">250</a>   ALPP   <a href="#">Related reagents</a></p> |
| <b>Synonyms</b>                 | 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 10.15 in Tris buffer

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**Purity** Biuret: 95%

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**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.](#)

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

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**Shelf Life** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation available at:  
Material Safety Datasheet Documentation #10209 available at:  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10209.pdf>

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.

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**Regulatory** For research purposes only

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**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

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