

## Datasheet: 0300-0565

|                      |                                       |
|----------------------|---------------------------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN ALKALINE PHOSPHATASE |
| <b>Specificity:</b>  | ALKALINE PHOSPHATASE (BAP/PLAP/IAP+)  |
| <b>Other names:</b>  | AP                                    |
| <b>Format:</b>       | Purified                              |
| <b>Product Type:</b> | Monoclonal Antibody                   |
| <b>Clone:</b>        | BGN/03/662                            |
| <b>Isotype:</b>      | IgG1                                  |
| <b>Quantity:</b>     | 0.2 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            | ▪   |    |                |                    |
| Western Blotting | ▪   |    |                |                    |

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>Species Cross Reactivity</b> | <p>Reacts with: Bacterial</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p> |
| <b>Product Form</b>             | Purified IgG - liquid   |
| <b>Preparation</b>              | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant   |
| <b>Buffer Solution</b>          | Phosphate buffered saline   |
| <b>Preservative</b>             | 0.09% Sodium Azide (NaN <sub>3</sub> )  |

## Stabilisers

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Carrier Free Yes

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Approx. Protein Concentrations 1.0 mg/ml

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Immunogen Alkaline phosphatase from human bone.

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## External Database Links

### UniProt:

[P05186](#) [Related reagents](#)  
[P09923](#) [Related reagents](#)  
[P05187](#) [Related reagents](#)

### Entrez Gene:

[249](#) ALPL [Related reagents](#)  
[248](#) ALPI [Related reagents](#)  
[250](#) ALPP [Related reagents](#)

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Synonyms PLAP

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RRID AB\_2226173

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**Specificity** **Mouse anti Human Alkaline Phosphatase antibody, clone BGN/03/662** recognizes bone specific alkaline phosphatase, a tetrameric glycoprotein found on the surface of osteoblast cells. It is normally present in high concentrations in growing bone and in bile and is released into the blood during injury and bone growth. Elevated levels can infer several conditions including Paget's disease and osteocarcinoma.

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**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/0300-0565>  
10040

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
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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://bio-rad-antibodies.com/datasheets)

'M405245:220916'

Printed on 25 Mar 2023

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