

## Datasheet: PHP149

**BATCH NUMBER 158848**

|                      |                        |
|----------------------|------------------------|
| <b>Description:</b>  | PURIFIED HUMAN ALBUMIN |
| <b>Name:</b>         | SERUM ALBUMIN          |
| <b>Other names:</b>  | HSA                    |
| <b>Format:</b>       | Purified               |
| <b>Product Type:</b> | Purified Protein       |
| <b>Quantity:</b>     | 1 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  |     |    | ▪              |                    |
| Functional Assays |     |    | ▪              |                    |
| Immunoassay       | ▪   |    |                |                    |

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.

#### Target Species

Human

#### Product Form

Purified human serum albumin - lyophilized

#### Reconstitution

Reconstitute with phosphate buffer pH>7.0 containing 0.15M NaCl

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.

For long term storage the addition of 0.09% sodium azide is recommended.

N.B. For functional studies do not add sodium azide

#### Preparation

Purified albumin from human urine

#### Preservative Stabilisers

None present

**External Database  
Links**

**UniProt:**

[P02768](#)    [Related reagents](#)

**Entrez Gene:**

[213](#)    ALB    [Related reagents](#)

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**Product Information**    **Purified human albumin** is a ~66 kDa protein that binds and transports steroids, fatty acids, metal ions and thyroid hormones. Albumin accounts for approximately 50% of blood serum protein.

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**Protein Molecular Weight**    66 kDa

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**Purity**    >99% by SDS PAGE

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**References**    1. Nicholson, J.P. *et al.* (2000) The role of albumin in critical illness. [Br J Anaesth. 85 \(4\): 599-610.](#)

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**Storage**    Prior to reconstitution store at +4°C.  
After reconstitution store at -20°C.  
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**    Guaranteed until date of expiry. Please see product label.

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**Health And Safety Information**    Material Safety Datasheet documentation #10268 available at:  
<https://www.bio-rad-antibodies.com/SDS/PHP14910268>

Donor material tested and found negative for HIV1 and 2 antibodies, HBsAg and HCV antibodies.

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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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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