

## Datasheet: PHP245

<b>Description:</b>	RECOMBINANT HUMAN apo-SERUM AMYLOID A1
<b>Name:</b>	apo-SERUM AMYLOID A1
<b>Other names:</b>	apo-SAA1
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	50 µg

## 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
Functional Assays	▪			

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>Target Species</b>	Human
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.5 ml distilled water. 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 extended storage, the addition of 0.1% BSA is recommended.
<b>Preparation</b>	Purified recombinant apo-SAA1 expressed in <i>E.coli</i>
<b>Source</b>	E.coli
<b>Buffer Solution</b>	5mM Tris, pH7.6
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes

**Endotoxin Level** < 1.0 EU/ug

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**Approx. Protein Concentrations** 0.1 mg/ml after reconstitution

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**External Database Links**

**UniProt:**

[P02735](#)   [Related reagents](#)

**Entrez Gene:**

[6288](#)   SAA1   [Related reagents](#)

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**Product Information** Serum Amyloid A (apo-SAA) is an acute phase response protein and injury specific apolipoprotein, synthesized primarily in the liver, which is found in trace amounts in association with high density lipoproteins (HDL) in human serum, but increases dramatically during an acute response to inflammation, infection, trauma, and malignant neoplasia, to become the most abundant HDL apolipoprotein. The acute phase isoforms of apo-SAA are encoded by the genes SAA1 (Apo-SAA1) and SAA2 (Apo-SAA2), and both include allelic variants.

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**Protein Molecular Weight** 11.7 kDa (105 amino acid residues)

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**Activity** Determined by its ability to chemoattract human monocytes using a range of 10.0-10.0 ng/ml.

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**Purity** >98% by SDS PAGE and HPLC analysis

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**Storage** Prior to reconstitution store at -20°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 antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

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**Health And Safety Information** Material Safety Datasheet documentation #10527 available at: <https://www.bio-rad-antibodies.com/SDS/PHP24510527>

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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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