

Datasheet: PEP006

**BATCH NUMBER 156984**

|                      |                                   |
|----------------------|-----------------------------------|
| <b>Description:</b>  | RECOMBINANT HORSE SERUM AMYLOID A |
| <b>Name:</b>         | SERUM AMYLOID A                   |
| <b>Other names:</b>  | SAA                               |
| <b>Format:</b>       | Rec. Protein                      |
| <b>Product Type:</b> | Recombinant Protein               |
| <b>Quantity:</b>     | 0.1 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             | ▪   |    |                |                    |
| 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>                 | Horse   |
| <b>Product Form</b>                   | Purified recombinant protein - lyophilized  |
| <b>Reconstitution</b>                 | Reconstitute with 1.0 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. |
| <b>Preparation</b>                    | Purified by affinity and reversed-phase chromatography  |
| <b>Preservative Stabilisers</b>       | None present  |
| <b>Approx. Protein Concentrations</b> | 0.1 mg/ml after reconstitution  |
| <b>External Database Links</b>        | <b>UniProt:</b>   |

**Product Information**   **Recombinant Horse serum amyloid A (SAA)** is a recombinant protein consisting of 120 amino acids, which includes a proprietary 10 aa tag at the N-terminus. An *Escherichia coli* expression system was used.

Serum amyloid A proteins are a family of acute phase proteins, produced primarily by the liver, highly conserved in vertebrate species, and used as markers of inflammation.

Equine SAA, as with serum amyloid A in other species, is present in different isoforms; this recombinant protein corresponds to isoform 1 (SAA1). Equine SAA is composed of 110 amino acids and differs from human SAA by having an 8 aa sequence insert in the central region of the sequence.

With similar biochemical properties to the native equine SAA, this reagent may be used as a standard in immunoassays for measurement of levels of horse serum amyloid A.

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**Protein Molecular Weight**            13.6 kDa

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**Purity**                            >95%

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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.

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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/PEP006>  
10268

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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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**Printed on 18 Jan 2024**