



## Technical Data Sheet

### Recombinant Rhesus macaque SAA1 (rRhSAA1)

#### *Rhesus macaque SAA1*

Serum amyloid A proteins (SAA) represents a family of apolipoproteins that circulates in association with high-density lipoproteins (HDL). The level of apo-SAA, normally 1-5 µg/ml in plasma, increases 500-1000 fold within 24 hours of an inflammatory stimulus and, under these conditions, is the most abundant HDL apo-lipoprotein.

**Catalog Number:** RC326-12

**Source:** *Escherichia coli*.

**Molecular Weight:** Approximately 11.8 kDa, a single non-glycosylated polypeptide chain containing 104 amino acids.

**Quantity:** 5ug/10ug/1mg

**AA**

**Sequence:**

RSWFSFLGEAYDGARDMWRAYSMDKEANYKNSDKYFHAR  
GNYDAAQRGPGG  
VWAAEVIDARENIQKLLGRGAEDTLADQAANEWGRSGKDPNHFR  
PAGLPEKY

**Purity:** >97% by SDS-PAGE and HPLC analyses.

**Biological Activity:** Fully biologically active when compared to standard. Determined by its ability to chemoattract human monocytes using a concentration range of 1.0-10.0 ng/ml.

**Formulation:** Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

**Endotoxin:** Less than 1EU/µg of rRhSAA1 as determined by LAL method.

**Reconstitution:** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further dilutions should be made in appropriate buffered solutions.



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**Storage:**

This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. **Avoid repeated freeze/thaw cycles.**

**Usage:**

This material is offered by Bio Basic Inc. for research, laboratory or further evaluation purposes. **NOT FOR HUMAN USE.**