

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Rhesus macaque SAA1 (rRhSAA1)

Catalog Number: PR5003

Source: Escherichia coli.

Quantity: 5µg/20µg/1.0mg

Description

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.

Molecular Weight:

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

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, corresponding to a Specific Activity of 1×10^5 IU/mg.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

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

AA Sequence:

R S W F S F L G E A Y D G A R D M W R A Y S D M K E
A N Y K N S D K Y F H A R G N Y D A A Q R G P G G V

W A A E V I S D A R E N I Q K L L G R G A E D T L A D
Q A A N E W G R S G K D P N H F R P A G L P E K Y

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 $<-20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

Storage:

This lyophilized preparation is stable at $2-8^{\circ}\text{C}$, 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 $2-8^{\circ}\text{C}$. 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 USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

MADE IN CHINA

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