

## **Recombinant Human Apo-SAA**

Catalog # PBG10018

## **Specification**

## **Recombinant Human Apo-SAA - Product Information**

## **Recombinant Human Apo-SAA - Additional Information**

## **Description**

Human apo-SAA is a 104 amino acid polypeptide that circulates primarily in association with high-density lipoproteins (HDL). The level of apo-SAA, normally 1-5  $\mu$ g/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. The human SAA gene codes for a 122 amino acid polypeptide, which contains an 18 amino acid N-terminal signal sequence. Recombinant Apo-SAA is a consensus SAA molecule corresponding to human apo-SAA1 $\alpha$  except for the presence of an N-terminal methionine and substitution of asparagine for aspartic acid at position 60 and arginine for histidine at position 71(the latter two substituted residues are present in apo-SAA2 $\beta$ ).

### **Biological**Activity

Tested by its ability to down-regulate lipid biosynthesis in aortic smooth muscle cells. The effective concentration was found to be 4  $\mu$ M.\* <br/> <br/>br /> \* Schreiber, BM. et al. <em>Biochem J</em>. 1999 Nov 15; 344 Pt 1:7-13

#### **Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

#### **Endotoxin**

Endotoxin level is  $<0.1 \text{ ng}/\mu\text{g}$  of protein ( $<1\text{EU}/\mu\text{g}$ ).

#### **Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

### Storage

-20°C

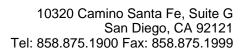
### **Precautions**

Recombinant Human Apo-SAA is for research use only and not for use in diagnostic or therapeutic procedures.

# **Recombinant Human Apo-SAA - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence





- <u>Immunoprecipitation</u>
- Flow CytometyCell Culture

**Recombinant Human Apo-SAA - Images**