



Product Specification Sheet

**Human Serum Amyloid A (SAA)Antibodies**

□ Cat. # SAA14-M      Monoclonal anti-Human Serum Amyloid A (SAA) IgG, affinity pure (Clone #2)      **SIZE:** 100 ug

Human Serum Amyloid A protein-1 (SAA1) is a multifunctional apolipoprotein produced by hepatocytes in response to proinflammatory cytokines. It is secreted as a 12 kDa, 104 aa, nonglycosylated polypeptide that displaces apoA1 in the HDL3 complex. The SAA1 gene is one of three SAA genes in human, and it shows multiple alleles that are race dependent. The SAA1 gene product differs from the SAA2 gene product by only seven amino acids. Circulating SAA1 shows multiple proteolytically-generated isoforms, with anywhere from one-to-three amino acids being cleaved from either the N- or C-terminus. Mature human SAA1 is 72%, 82% and 72% aa identical to mature mouse, rabbit and hamster SAA1, respectively.

**Source of Antigen and Antibodies**

**Cat # SAA14-M, unconjugated antibody**

|                        |   |
|------------------------|---|
| <b>Antigen</b>         | Purified recombinant <b>human SAA protein</b>   |
| <b>Ab Host/type</b>    | Mouse, monoclonal purified IgG, Clone 2 (Cat # <b>SAA14-M</b> )<br>Supplied in PBS, pH 7.4, 0.09 % sodium azide |
| <b>2-Ab</b>            | Goat Anti-mouse IgG-HRP conjugate; Cat # 40320 (AP, biotin, FITC conjugates also available)                     |
| <b>-ve control IgG</b> | Cat # 20008-1, Mouse (non - immune) Serum IgG, purified, suitable for ELISA, Western, IHC as -ve control        |

**Suggested Dilutions:** 1:500-1:5K for Western; 1:5K-1:20K for ELISA. Further optimization may be needed under actual experimental conditions.

**Storage**

**Short-term:** unopened, undiluted liquid vials for less than a week at 4°C.

**Long-term:** at -20°C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

**Stability:** 6-12 months at -20°C or below.

**Shipping:** 4°C for solutions and room temp for powder.

**Species Specificity**

Specific for recombinant serum amyloid A.

*\*All product are for In vitro research use only.*

**Related material available from ADI**

Mouse, Rat Dog, Human, Monkey CRP ELISA kits

Anti-Dog CRP antibodies, -HRP conjugates, and protein

SAA14-M      241106      170926AC