

Product Specification Sheet

Human Serum Amyloid A (SAA)Antibodies and protein control

- Cat. # SAA11-A Goat Anti-human SAA IgG **SIZE:** 100 ug
- Cat. # SAA11-C Purified human SAA protein control for WB **SIZE:** 100 ul

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 # SAA11-A, unconjugated antibody

Antigen	Purified human SAA protein
Ab Host/type	Goat, Polyclonal purified IgG, (Cat # SAA11-A)
2-Ab	Rabbit Anti-goat IgG-HRP conjugate Cat # 30220 (AP, biotin, FITC conjugates also available)
-ve control IgG	# 20011-1, Goat (non-immune) 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.

Cat# SAA11-C

Human SAA (~2 kda) protein for Western blot +ve control (**Cat # SAA11-C**) is supplied in SDS-PAGE sample buffer (reduced). Load 10 ul/lane of **SAA11-C** for good visibility with antibody Cat # **SAA11-A**. Store at -20oC in suitable size aliquots. SDS may crystallize in cold conditions. It should redissolve by warming before taking it from the stock. It should be heated once prior to loading on gels. If the product has been stored for several weeks, then it may be preferable to add 5 ul of fresh 2x sample buffer per 10 ul of the **SAA11-C** solution prior to heating and loading on gels. This preparation is not biologically active. It is not suitable for ELISA or other applications where native protein is required. This preparation is intended for qualitative purpose and not to serve as standard of known concentration. Do not freeze, thaw, or heat repeatedly

Species Specificity

No reactivity against normal human plasma, Apo AI and Apo AII. Antibody crossreactivity in various other species is not established.

Shipping: 4oC for solutions and room temp for powder.

**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

SAA11-A-C 130207A