

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serum Amyloid A1 in direct ELISAs.
Source	Monoclonal Mouse IgG ₃ Clone # 902738
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Serum Amyloid A1 Accession # P0DJ18
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Human serum amyloid A protein-1 (SAA-1) is a multifunctional apolipoprotein produced by hepatocytes in response to proinflammatory cytokines. It is secreted as a 12 kDa, 104 amino acid (aa), nonglycosylated polypeptide that displaces apoA1 in the HDL₃ complex (SwissProt #P02735). The SAA-1 gene is one of three SAA genes in human, and it shows multiple alleles that are race dependent. The SAA-1 gene product differs from the SAA-2 gene product by only seven amino acids. Circulating SAA-1 shows multiple proteolytically-generated isoforms, with anywhere from one-to-three amino acids being cleaved from either the N- or C-terminus. Mature human SAA-1 is 72%, 82% and 72% aa identical to mature mouse, rabbit and hamster SAA-1, respectively.

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