

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SAA1/SAA2 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 902728
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human SAA1 synthetic peptide Accession # P0DJ18
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

Western Blot 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 SAA1 is a multifunctional apolipoprotein produced by hepatocytes in response to proinflammatory cytokines. It is secreted as a 12 kDa, 104 amino acid (aa), non-glycosylated 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 shares 72%, 82%, and 72% aa sequence identity with mature mouse, rabbit, and hamster SAA1, respectively.

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