

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Serum Amyloid A1/A2 in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 834835R
Purification	Protein A or G purified from cell culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse Serum Amyloid A1/A2 Gly20-Tyr122 Accession # P05366
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.

ELISA 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

Mouse Serum Amyloid A Protein-1 (SAA1) is a multifunctional apolipoprotein produced by hepatocytes in response to pro-inflammatory cytokines. It is secreted as a 12 kDa, 103 amino acid (aa), nonglycosylated polypeptide and circulates as part of the HDL complex. The SAA1 gene is one of three SAA genes in mouse, and, based on human, is likely to be allelic. The SAA1 gene product differs from the SAA2 gene product by only nine amino acids. In human, circulating SAA1 shows multiple proteolytically-generated isoforms, with anywhere from one to three amino acids being cleaved from either the N- or C-terminus. The same situation may exist in mouse. The amino acid sequence of mature mouse SAA1 is 72%, 72%, 67%, and 74% identical to mature human, rabbit, equine, and hamster SAA1, respectively.

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