

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Serum Amyloid A4 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 15% cross-reactivity with recombinant human Serum Amyloid A4 is observed and less than 1% cross-reactivity with r
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse Serum Amyloid A4 Asp19-Phe130 Accession # P31532
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.
Immunoprecipitation	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-4 (SAA4; also SAA5) is a 14 kDa member of the SAA family of proteins. It is a constitutively produced apolipoprotein component of HDL that may mediate HDL-VLDL interactions. Mature mouse SAA4 is 112 amino acids (aa) in length. There are no notable motifs. Although human SAA4 is glycosylated, mouse SAA4 is not. Human SAA4 also shows truncation of its Lys-Lys-Tyr C-terminus. The mouse C-terminus is distantly related with a Glu-Lys-Phe tripeptide, but it is unknown if it is proteolytically processed. Over aa 19-130, mouse SAA4 shares 57% and 85% aa identity with mature human and rat SAA4, respectively.

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