

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Serum Amyloid A4 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) Serum Amyloid A1, rhSerum Amyloid A4, or recombinant mouse Serum Amyloid A1 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 398104
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse Serum Amyloid A4 Asp19-Phe130 Accession # P31532
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

Mouse Serum Amyloid A4 (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. 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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