

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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

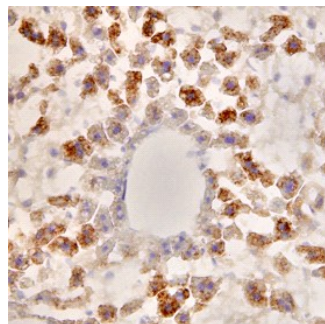
APPLICATIONS

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.

	Recommended Concentration	Sample
Immunohistochemistry	8-25 µg/mL	See Below

DATA

Immunohistochemistry



Serum Amyloid A4 in Mouse Brain (Cerebellum). Serum Amyloid A4 was detected in perfusion fixed frozen sections of mouse brain (cerebellum) using Mouse Serum Amyloid A4 Monoclonal Antibody (Catalog # MAB4276) at 25 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Rat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS017) and counterstained with hematoxylin (blue). View our protocol for [Chromogenic IHC Staining of Frozen Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.