

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	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.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 398104
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E.coli</i> -derived recombinant mouse Serum Amyloid A4 Asp19-Phe130 Accession # P31532
<b>Formulation</b>	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.

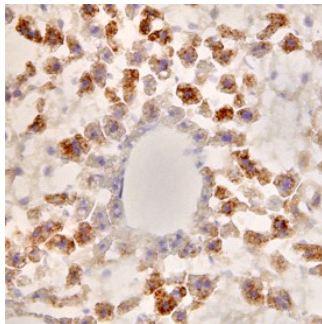
## APPLICATIONS

**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
<b>Immunohistochemistry</b>	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

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.5 mg/mL.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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.