



DataSheet

CATALOGUE #: 4VS4

PRODUCT NAME: Monoclonal mouse anti-serum amyloid A (SAA), animal

MAbs:	VSA34, SAA19, SAA21, SAA11, VSA31, VSA38, VSA2, VSA43 Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with either human SAA (SAA19, SAA21, SAA11), or canine SAA (VSA34, VSA31, VSA38), or synthetic peptides derived from the region 79-104 a.a.r. of canine SAA (VSA2, VSA43).
Specificity:	Canine SAA (all MAbs) Feline SAA (VSA34, SAA19, VSA31, VSA38, SAA21, SAA11) Equine SAA (all MAbs) Human SAA (MAbs VSA31, VSA38, SAA11)
MAb isotypes:	IgG1 for MAb VSA2 IgG2a for MAbs SAA19, VSA31, VSA38 IgG2b for MAbs VSA34, SAA21, VSA43, SAA11
Applications:	Recommended pairs for sandwich immunoassay (capture – detection): SAA19 – VSA34: canine, feline, equine SAA21 – VSA34: canine, feline, equine VSA2 – VSA38: canine, equine VSA2 – VSA31: canine, equine VSA38 – VSA43: canine, equine All MAbs react with SAA in Western blotting.
Purification:	Chromatography on protein A Sepharose
Presentation:	PBS, pH 7.4, 0.09 % sodium azide (NaN ₃)
Storage:	+4 °C (+2 ... +8 °C allowed)
Other information:	We recommend to avoid using bovine serum albumin (BSA) as a buffer component or blocking agent for SAA immunoassay. In buffers, BSA can be replaced with 1% casein. Immunoassay plates blocking with casein is needed to prevent non-specific binding of SAA to the wells of an immunoassay plate. For pairs SAA19 – VSA34 and SAA21 – VSA34, we recommend to start assay optimization using 0.01% CHAPS in antigen dilution and washing buffers. According to our data, Tween 20 lowered the signal in the wells when it was used in concentration 0.05-0.1% in antigen dilution buffer. When lower concentration of Tween 20 was used (0.005-0.025%), non-specific binding of SAA to the wells of an immunoassay plate was observed. For pairs VSA2 – VSA38, VSA2 – VSA31 and VSA38 – VSA43, we recommend to use antigen dilution buffer containing 1% casein and 0.05-0.1% Tween 20.
Material safety note:	This product is sold for research use only . Standard Laboratory Practices should be followed when handling this material. Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

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