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)

MAb isotypes:
- IgG1 for MAb VSA2
- IgG2a for MAbs SAA19, VSA31, VSA38
- IgG2b for MAbs VSA34, VSA21, 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 (NaN₃)

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.

Immunooassay 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.