CATALOGUE #: **4VS4**

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

Recombinant MAbs: F501, F529, F550, F571

MAbs *in vitro*: F173, F227, F231, F240, SAA19cc, SAA21cc, VSA31cc, VSA34cc, VSA38cc

MAbs *in vivo*: VSA2, VSA43

Recombinant chimeric antibody expressed in a mammalian cell line, composed of original wild type variable domains of rat derived MAb and human IgG1 constant domains (F501, F529, F550, F571)

Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with either:
feline SAA (F173, F227, F231, F240), or
human SAA (SAA19cc, SAA21cc), or
canine SAA (VSA31cc, VSA34cc, VSA38cc), or
synthetic peptides derived from the region 79-104 a.a.r. of canine SAA (VSA2, VSA43)

Specificity:

MAb	Feline SAA	Canine SAA	Equine SAA	Human SAA
F501	+	-	-	-
F529	+	-	-	-
F550	+	-	-	-
F571	+	-	-	-
F173	+	+	+	+
F227	+	+	+	+
F231	+	+	+	+
F240	+	+	+	+
SAA19cc	+	+	+	+
SAA21cc	+	+	+	+
VSA31cc	+	+	+	+
VSA34cc	+	+	+	+
VSA38cc	+	+	+	+
VSA2	-	+	+	+
VSA43	+/-	+	+	+

MAb isotypes:

IgG1 for F501, F529, F550, F571, F227, F231, VSA2

IgG2a for F173, F240, SAA19cc, VSA31cc, VSA38cc

IgG2b for SAA21cc, VSA34cc, VSA43

Purification: Protein A chromatography

Presentation:

PBS, pH 7.4, 0.09 % sodium azide (NaN3), 5 mM EDTA for F501, F529, F550, F571

PBS, pH 7.4, 0.09 % sodium azide (NaN_3) for F173, F227, F231, F240, SAA19cc, VSA31cc, VSA34cc, VSA38cc, VSA2, VSA43

50 mM citrate, 150 mM NaCl, pH 6.0, 0,09% azide (NaN_3) for SAA21cc

HYTEST LTD
Intelligate 1, 6th floor, Joukahaisenkatu 6 • FI-20520 Turku, FINLAND
Tel. +358 2 512 0900 • E-mail: hytest@hytest.fi • HYTEST.FI

CATALOGUE #: **4VS4**

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

Applications:

Recommended pairs for sandwich immunoassay (capture – detection):

Feline SAA:	Canine and equine SAAs:	Canine, feline, and equine SAAs:
F227 – F529	VSA2 – VSA38cc	SAA19cc – VSA34cc
F231 – F550	VSA2 – VSA31cc	
F240 – F501	VSA38cc – VSA43	
F240 – F550		
F571 – F173		

Recommended pairs for lateral flow (capture – detection, detection antibody conjugated with colloidal gold):

Feline SAA:

F550 – F231

F529 – F227

F501 – F240

Storage:

+4 °C (+2 … +8 °C allowed)

Other information:

Pair SAA19cc – VSA34cc:
Plates blocking with casein is needed to prevent non-specific binding of SAA to the wells of an immunoassay plate. We recommend avoiding using bovine serum albumin (BSA) as a buffer component or blocking agent. In buffers, BSA can be replaced with 1% casein. According to our data, Tween 20 lowered the signal 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. Therefore, we recommend starting assay optimization using 0.01% CHAPS in antigen dilution and washing buffers. We recommend carrying out immunoassay at room temperature.

Pairs VSA2 – VSA38cc, VSA2 – VSA31cc, VSA38cc – VSA43, F571 – F173:
Plates blocking with casein is needed to prevent non-specific binding of SAA to the wells of an immunoassay plate. For pairs VSA2 – VSA38cc, VSA2 – VSA31cc and VSA38cc – VSA43 we recommend avoiding using BSA as a buffer component or blocking agent. In buffers, BSA can be replaced with 1% casein. We recommend using antigen dilution buffer containing 0.05% Tween 20. We recommend carrying out immunoassay at 37 °C.

Pairs F227 – F529, F231 – F550, F240 – F501, F240 – F550:
Plate blocking is not needed. We recommend using antigen dilution buffer containing 10 mg/ml BSA and 0.05% Tween 20. We recommend carrying out immunoassay at room temperature.

Material safety note:

This product is sold **for research or further manufacturing 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.

HYTEST LTD
Intelligate 1, 6th floor, Joukahaisenkatu 6 • FI-20520 Turku, FINLAND
Tel. +358 2 512 0900 • E-mail: hytest@hytest.fi • HYTEST.FI