

*Product Catalog*

## Research Reagents

Arthus Biosystems is pleased to provide a series of research reagents and kits to help perform scientific research related to methionine cycle, the critical biochemical pathway that is conserved throughout evolution. Both our anti-SAM and SAH antibodies have the best sensitivities, and are meant to specifically bind all forms of SAM and SAH in a variety of studies and species. We also provide verified SAM and SAH conjugates with tracer molecules such as biotin and digoxin to assist you in developing further research methods. We also provided HRP and fluorescent materials conjugated monoclonal antibodies against SAM and SAH for use conveniently and specifically in a variety of immunoassays for the purposes of quantification and intra-cellular or nuclear localization. The immunofluorescence chromatography test strips provide users with yet other ways to quantify SAM and SAH conveniently and quickly. This method has a few advantages including a better sensitivity, broader detection ranges, quick (in 15 minutes) and broader sample types (serum, plasma and whole blood drop).

Catalog #	Name	Description	Packaging	Price
<b>Immunoassay Kits and Strips</b>				
<b>IK00201</b>	SAM ELISA	S-adenosylmethionine ELISA kit	96 tests	\$549
<b>IK00201s</b>	SAM ELISA s	S-adenosylmethionine ELISA kit for plasma, serum, or tissue/cell homogenate samples	96 tests	\$699
<b>IK00301</b>	SAH ELISA	S-adenosylhomocysteine ELISA kit	96 tests	\$949
<b>IK00301s</b>	SAH ELISA s	S-adenosylhomocysteine ELISA kit for plasma, serum, or tissue/cell homogenate samples	96 tests	\$1249
<b>IK00202</b>	SAM ELISA 2	S-adenosylmethionine ELISA kit, broad range	96 tests	\$599
<b>IK00202s</b>	SAM ELISA 2s	S-adenosylmethionine ELISA kit for plasma, serum, or tissue/cell homogenate samples, broad range	96 tests	\$749
<b>IK00302</b>	SAH ELISA 2	S-adenosylhomocysteine ELISA kit, broad range	96 tests	\$999
<b>IK00302s</b>	SAH ELISA 2s	S-adenosylhomocysteine ELISA kit for plasma, serum, or tissue/cell homogenate samples, broad range	96 tests	\$1299
<b>IK00203</b>	SAM ELISA 3	S-adenosylmethionine ELISA kit, broad range	48 tests	\$349
<b>IK00203s</b>	SAM ELISA 3s	S-adenosylmethionine ELISA kit for plasma, serum, or tissue/cell homogenate samples, broad range	48 tests	\$449

<b>IK00303</b>	SAH ELISA 3	S-adenosylhomocysteine ELISA kit, broad range	48 tests	\$499
<b>IK00303s</b>	SAH ELISA 3s	S-adenosylhomocysteine ELISA kit for plasma, serum, or tissue/cell homogenate samples, broad range	48 tests	\$699
<b>IK00204</b>	SAM ELISA 4	S-adenosylmethionine ELISA kit for cell culture supernatant or other samples	96 tests	\$699
<b>IK00304</b>	SAH ELISA 4	S-adenosylhomocysteine ELISA kit for cell culture supernatant or other samples	96 tests	\$1049
<b>IK00401</b>	MAT Activity Assay	Methionine Adenosyltransferase (MAT) activity assay kit	96 tests	\$749
<b>IK00403</b>	MAT Activity Assay 3	Methionine Adenosyltransferase (MAT) activity assay kit	48 tests	\$419

### Antibodies and Conjugates

<b>MA00201-100</b>	Mouse anti-SAM 1b	Mouse monoclonal antibody to S-adenosylmethionine Clone 118-6	100µg	\$600
<b>MA00201-50</b>	Mouse anti-SAM 1a	Mouse monoclonal antibody to S-Adenosylmethionine Clone 118-6	50µg	\$360
<b>MA00202-100</b>	Mouse anti-SAM 2b	Mouse monoclonal antibody to S-adenosylmethionine Clone 84-3	100µg	\$600
<b>MA00202-50</b>	Mouse anti-SAM 2a	Mouse monoclonal antibody to S-adenosylmethionine Clone 84-3	50µg	\$360
<b>MA00203-50</b>	Mouse anti-SAM 3a	Mouse monoclonal antibody to S-Adenosylmethionine Clone 118-18	50µg	\$200
<b>MA00204-50</b>	Mouse anti-SAM 4a	Mouse monoclonal antibody to S-adenosylmethionine Clone 84-19	50µg	\$200
<b>PA00201-100</b>	Rabbit anti-SAM b	Rabbit polyclonal antibody to S-adenosylmethionine	100µg	\$690
<b>PA00201-50</b>	Rabbit anti-SAM a	Rabbit polyclonal antibody to S-adenosylmethionine	50µg	\$390
<b>MAH00201-50</b>	HRP-anti-SAM 1a	Horse radish peroxidase (HRP) conjugated anti-SAM monoclonal antibody Clone 118-6	50µg	\$420
<b>MAH00201-100</b>	HRP-anti-SAM 1b	Horse radish peroxidase (HRP) conjugated anti-SAM monoclonal antibody Clone 118-6	100µg	\$780
<b>MAH00202-50</b>	HRP-anti-SAM 2a	Horse radish peroxidase (HRP) conjugated anti-SAM monoclonal antibody Clone 84-3	50µg	\$420
<b>MAH00202-100</b>	HRP-anti-SAM 2b	Horse radish peroxidase (HRP) conjugated anti-SAM monoclonal antibody Clone 84-3	100µg	\$780
<b>MAH00203-50</b>	HRP-anti-SAM 3a	Horse radish peroxidase (HRP) conjugated anti-SAM monoclonal antibody Clone 118-18	50µg	\$280
<b>MAH00204-50</b>	HRP-anti-SAM 4a	Horse radish peroxidase (HRP) conjugated anti-SAM monoclonal antibody Clone 84-19	50µg	\$280
<b>MAF00201-25</b>	AF647-anti-SAM 1a	Alexa Fluor® 647 (AF647) conjugated anti-SAM monoclonal antibody Clone 118-6	25µl	\$390
<b>MAF00201-50</b>	AF647-anti-SAM 1b	Alexa Fluor® 647 (AF647) conjugated anti-SAM monoclonal antibody Clone 118-6	50µl	\$690
<b>MAF00202-50</b>	PE-anti-SAM 1a	Phycoerythrin (PE) conjugated anti-SAM monoclonal antibody Clone 84-3	50µl	\$330
<b>MA00301-100</b>	Mouse anti-SAH 1b	Mouse monoclonal antibody to S-adenosylhomocysteine Clone 301-1	100µg	\$490

<b>MA00301-50</b>	Mouse anti-SAH 1a	Mouse monoclonal antibody to S-adenosylhomocysteine Clone 301-1	50µg	\$270
<b>MA00302-50</b>	Mouse anti-SAH 2a	Mouse monoclonal antibody to S-adenosylhomocysteine Clone 301-10	50µg	\$150
<b>MA00303-50</b>	Mouse anti-SAH 3a	Mouse monoclonal antibody to S-adenosylhomocysteine Clone 301-3	50µg	\$270
<b>MA00304-50</b>	Mouse anti-SAH 4a	Mouse monoclonal antibody to S-adenosylhomocysteine Clone 301-16	50µg	\$150
<b>MA00305-100</b>	Mouse anti-SAH 5b	Mouse monoclonal antibody to S-adenosylhomocysteine Clone 844-1	100µg	\$690
<b>MA00305-50</b>	Mouse anti-SAH 5a	Mouse monoclonal antibody to S-adenosylhomocysteine Clone 844-1	50µg	\$390
<b>MA00306-100</b>	Mouse anti-SAH 6b	Mouse monoclonal antibody to S-adenosylhomocysteine Clone 844-2	100µg	\$490
<b>MA00306-50</b>	Mouse anti-SAH 6a	Mouse monoclonal antibody to S-adenosylhomocysteine Clone 844-2	50µg	\$290
<b>MA00307-100</b>	Mouse anti-SAH 7b	Mouse monoclonal antibody to S-adenosylhomocysteine Clone 839-6	100µg	\$690
<b>MA00307-50</b>	Mouse anti-SAH 7a	Mouse monoclonal antibody to S-adenosylhomocysteine Clone 839-6	50µg	\$390
<b>MA00308-50</b>	Mouse anti-SAH 8a	Mouse monoclonal antibody to S-adenosylhomocysteine Clone 839-12	50µl	\$240
<b>MAH00301-100</b>	HRP-anti-SAH 1b	Horseradish peroxidase (HRP) conjugated anti-SAH monoclonal antibody Clone 301-3	100µg	\$890
<b>MAH00301-50</b>	HRP-anti-SAH 1a	Horseradish peroxidase (HRP) conjugated anti-SAH monoclonal antibody Clone 301-3	50µg	\$490
<b>MAH00302-50</b>	HRP-anti-SAH 2a	Horseradish peroxidase (HRP) conjugated anti-SAH monoclonal antibody Clone 301-16	50µg	\$360
<b>MAF00301-25</b>	AF488-anti-SAH 1a	Alexa Fluor <sup>®</sup> 488 (AF488) conjugated anti-SAH monoclonal antibody Clone 301-3	25µl	\$260
<b>MAF00301-50</b>	AF488-anti-SAH 1b	Alexa Fluor <sup>®</sup> 488 (AF488) conjugated anti-SAH monoclonal antibody Clone 301-3	50µl	\$440
<b>MAF00302-50</b>	AF488-anti-SAH 2a	Alexa Fluor <sup>®</sup> 488 (AF488) conjugated anti-SAH monoclonal antibody Clone 839-6	50µg	\$360
<b>PA00401-50</b>	Rabbit anti-MAT s	Rabbit anti-methionine adenosyltransferase polyclonal anti-serum	50µl	\$140
<b>PA00402-50</b>	Rabbit anti-MAT g	Rabbit anti-methionine adenosyltransferase polyclonal anti-serum (with glycerol)	50µl	\$140

### Compounds and Conjugates

<b>ACT00201-5</b>	PLL-aza-SAM a	Poly-lysine was conjugated to S-adenosylmethionine analog Aza-SAM (AST00201). Coating for 10-20 96-well micro-titer plates.	5µg	\$195
<b>ACT00201-10</b>	PLL-aza-SAM b	Poly-lysine was conjugated to S-adenosylmethionine analog Aza-SAM (AST00201). Coating for 20-40 96-well micro-titer plates.	10µg	\$375
<b>ACT00204-5</b>	BSA-aza-SAM a	Bovine serum Albumin was conjugated to S-adenosylmethionine analog Aza-SAM (AST00201). Coating for 10-20 96-well micro-titer plates.	5µg	\$175
<b>ACT00202-</b>	Bio-SAM a	Biotin is conjugated to NH <sub>2</sub> group of S-	50µg	\$160

50		adenosylmethionine.		
ACT00202-100	Bio-SAM b	Biotin is conjugated to NH <sub>2</sub> group of S-adenosylmethionine.	100µg	\$260
ACT00203-50	Bio-6C-SAM 1a	Biotin is conjugated to NH <sub>2</sub> of SAM through 6-aminohexanoic acid.	50µg	\$290
ACT00203-100	Bio-6C-SAM 1b	Biotin is conjugated to NH <sub>2</sub> of SAM through 6-aminohexanoic acid.	100µg	\$520
ACT00205-10	Bio-6C-aza-SAM 1a	Biotin is conjugated to the NH <sub>2</sub> of aza-SAM through 6-aminohexanoic acid.	10µg	\$140
ACT00205-50	Bio-6C-aza-SAM 1b	Biotin is conjugated to the NH <sub>2</sub> of aza-SAM through 6-aminohexanoic acid.	50µg	\$480
ACT00205-100	Bio-6C-aza-SAM 1c	Biotin is conjugated to the NH <sub>2</sub> of aza-SAM through 6-aminohexanoic acid.	100µg	\$880
ACT00206-10	Bio-12CN-aza-SAM 1a	Biotin is conjugated to the NH <sub>2</sub> of aza-SAM through a 10-carbon and 2-nitrogen linker.	10µg	\$180
ACT00206-50	Bio-12CN-aza-SAM 1b	Biotin is conjugated to the NH <sub>2</sub> of aza-SAM through a 10-carbon and 2-nitrogen linker.	50µg	\$580
ACT00206-100	Bio-12CN-aza-SAM 1c	Biotin is conjugated to the NH <sub>2</sub> of aza-SAM through a 10-carbon and 2-nitrogen linker.	100µg	\$990
AST00201-1	Aza-SAM a	S-adenosylmethionine analog Aza-SAM standard. Buffer (4 ml) for serial dilution may be supplied.	1ml (500nM)	\$145
AST00201-200	Aza-SAM b	S-adenosylmethionine analog Aza-SAM standard. Buffer (10 ml) for serial dilution may be supplied.	200ul (5µM)	\$275
AST00201-1s	Aza-SAM as	S-adenosylmethionine analog Aza-SAM standard for serum/plasma. Buffer (3.2 ml) for serial dilution may be supplied.	1ml (1µM)	\$295
AST00201	Aza-SAM	A series of S-adenosylmethionine analog Aza-SAM standards: 500nM, 250nM, 125nM, 62.5nM, 31.25nM, 15.625nM, 7.8125nM, 0nM	1ml	\$355
ACT00301-50/20	BSA-SAH	BSA was conjugated to S-adenosylhomocysteine. Coating for 10 96-well micro-titer plates.	50µg (20µg)	\$180
ACT00302-50	Bio-SAH a	Biotin is conjugated to NH <sub>2</sub> group of S-adenosylhomocysteine.	50 µg	\$160
ACT00302-100	Bio-SAH b	Biotin is conjugated to NH <sub>2</sub> group of S-adenosylhomocysteine.	100µg	\$260
ACT00303-50	Bio-6C-SAH 1a	Biotin is conjugated to NH <sub>2</sub> of SAH through 6-aminohexanoic acid.	50µg	\$420
ACT00303-100	Bio-6C-SAH 1b	Biotin is conjugated to NH <sub>2</sub> of SAH through 6-aminohexanoic acid.	100µg	\$760
ACT00305-10	Bio-12CN-SAH 1a	Biotin is conjugated to NH <sub>2</sub> of SAH through a 10-carbon and 2-nitrogen linker.	10µg	\$140
ACT00305-50	Bio-12CN-SAH 1b	Biotin is conjugated to NH <sub>2</sub> of SAH through a 10-carbon and 2-nitrogen linker.	50µg	\$480
ACT00305-100	Bio-12CN-SAH 1c	Biotin is conjugated to NH <sub>2</sub> of SAH through a 10-carbon and 2-nitrogen linker.	100µg	\$880
ACT00304-25	Dig-6C-SAH 1a	Digoxin is conjugated to NH <sub>2</sub> of SAH through 6-bromocaproic acid	25µg	\$280
ACT00304-50	Dig-6C-SAH 1b	Digoxin is conjugated to NH <sub>2</sub> of SAH through 6-bromocaproic acid.	50µg	\$480
ACT00304-	Dig-6C-SAH 1c	Digoxin is conjugated to NH <sub>2</sub> of SAH through	100µg	\$880

<b>100</b>		6-bromocaproic acid.		
<b>AST00301-1</b>	SAH-Na	S-adenosylhomocysteine standard ( SAH Sodium). Buffer (18 ml) for serial dilution may be supplied.	1ml (4μM)	\$15
<b>AST00301-1s</b>	SAH-Na s	S-adenosylhomocysteine standard ( SAH Sodium) for serum/plasma. Buffer (8ml) for serial dilution may be supplied.	0.5ml (4μM)	\$50
<b>AST00401-50</b>	MAT a	Recombinant methionine adenosyltransferase (E.C. 2.5.1.6), <i>E. Coli</i> expression.	50μg	\$90
<b>AST00401-500</b>	MAT b	Recombinant Methionine Adenosyltransferase (E.C. 2.5.1.6), <i>E. Coli</i> expression.	50μg	\$450
<b>AST00601-50</b>	HMT a	Recombinant Homocysteine S-methyltransferase (E.C. 2.1.1.10), <i>E. Coli</i> expression	50μg	\$90
<b>AST00601-500</b>	HMT b	Recombinant Homocysteine S-methyltransferase (E.C. 2.1.1.10), <i>E. Coli</i> expression	50μg	\$450
<b>ACT00501-100</b>	BSA-HCY	Bovine serum albumin (BSA) was conjugated to homocysteine (HCY).	100μg	\$340

**Note: Packaging sizes of most items can be customized.**