

## 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 intracellular or nuclear localization. The lateral flow immunofluorescence chromatography test strips provide users with yet other ways to quantify SAM, SAH and HCY conveniently and quickly. This method has a few advantages including a better sensitivity, broader detection ranges, quick (in 15-20 minutes) and broader sample types (serum, plasma and whole blood drop).

Catalog #	Name	Description	Packaging	Price
<b>Immunoassay Kits and Strips</b>				
<b>FK00201</b>	SAM FCM 1	S-adenosylmethionine FCM kit with Alexa Fluor® 647	100 tests	\$880
<b>FK00202</b>	SAM FCM 2	S-adenosylmethionine FCM kit with Phycoerythrin (PE)	20 tests	\$420
<b>FK00301</b>	SAH FCM 1	S-adenosylhomocysteine FCM kit with Alexa Fluor® 488	60 tests	\$990
<b>FK00302</b>	SAH FCM 2	S-adenosylhomocysteine FCM kit with Alexa Fluor® 488	20 tests	\$420
<b>IK00201</b>	SAM ELISA	S-adenosylmethionine ELISA kit	96 tests	\$649
<b>IK00201s</b>	SAM ELISA s	S-adenosylmethionine ELISA kit for plasma, serum, or tissue/cell homogenate samples	96 tests	\$849
<b>IK00301</b>	SAH ELISA	S-adenosylhomocysteine ELISA kit	96 tests	\$1049
<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	\$699
<b>IK00202s</b>	SAM ELISA 2s	S-adenosylmethionine ELISA kit for plasma, serum, or tissue/cell homogenate samples, broad range	96 tests	\$899

<b>IK00302</b>	SAH ELISA 2	S-adenosylhomocysteine ELISA kit, broad range	96 tests	\$1099
<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	\$399
<b>IK00203s</b>	SAM ELISA 3s	S-adenosylmethionine ELISA kit for plasma, serum, or tissue/cell homogenate samples, broad range	48 tests	\$499
<b>IK00303</b>	SAH ELISA 3	S-adenosylhomocysteine ELISA kit, broad range	48 tests	\$599
<b>IK00303s</b>	SAH ELISA 3s	S-adenosylhomocysteine ELISA kit for plasma, serum, or tissue/cell homogenate samples, broad range	48 tests	\$699
<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
<b>DIA00101</b>	Dry Immunofluorescence Analyzer (DIA)	Quantitative test strip fluorescence analyzer. Instrument rental is available at \$300/15 days plus shipping & handling.	1 set	\$2500
<b>TS00201s-30</b>	SAM Test Strip	S-adenosylmethionine quantitative test strip for serum, plasma and whole blood	30 tests	\$360
<b>TS00301s-30</b>	SAH Test Strip	S-adenosylhomocysteine quantitative test strip for serum, plasma and whole blood	30 tests	\$450
<b>TS00401s-30</b>	HCY Test Strip	Serum homocysteine quantitative test strip	30 tests	\$500

### 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	Horseradish peroxidase (HRP) conjugated anti-SAM monoclonal antibody Clone 118-6	50µg	\$420
<b>MAH00201-</b>	HRP-anti-SAM 1b	Horseradish peroxidase (HRP) conjugated	100µg	\$780

<b>100</b>		anti-SAM monoclonal antibody Clone 118-6		
<b>MAH00202-50</b>	HRP-anti-SAM 2a	Horseradish peroxidase (HRP) conjugated anti-SAM monoclonal antibody Clone 84-3	50µg	\$420
<b>MAH00202-100</b>	HRP-anti-SAM 2b	Horseradish peroxidase (HRP) conjugated anti-SAM monoclonal antibody Clone 84-3	100µg	\$780
<b>MAH00203-50</b>	HRP-anti-SAM 3a	Horseradish peroxidase (HRP) conjugated anti-SAM monoclonal antibody Clone 118-18	50µg	\$280
<b>MAH00204-50</b>	HRP-anti-SAM 4a	Horseradish 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	\$500
<b>MAF00201-50</b>	AF647-anti-SAM 1b	Alexa Fluor® 647 (AF647) conjugated anti-SAM monoclonal antibody Clone 118-6	50µl	\$840
<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	\$620
<b>MAH00301-50</b>	HRP-anti-SAH 1a	Horseradish peroxidase (HRP) conjugated anti-SAH monoclonal antibody Clone 301-3	50µg	\$360
<b>MAH00302-50</b>	HRP-anti-SAH 2a	Horseradish peroxidase (HRP) conjugated anti-SAH monoclonal antibody Clone 301-16	50µg	\$240
<b>MAH00305-30</b>	HRP-anti-SAH 5a	Horseradish peroxidase (HRP) conjugated anti-SAH monoclonal antibody Clone 844-1	30µg	\$490
<b>MAH00307-30</b>	HRP-anti-SAH 7a	Horseradish peroxidase (HRP) conjugated anti-SAH monoclonal antibody Clone 839-6	30µg	\$490
<b>MAF00301-25</b>	AF488-anti-SAH 1a	Alexa Fluor® 488 (AF488) conjugated anti-SAH monoclonal antibody Clone 301-3	25µl	\$260
<b>MAF00301-50</b>	AF488-anti-SAH 1b	Alexa Fluor® 488 (AF488) conjugated anti-SAH monoclonal antibody Clone 301-3	50µl	\$440

<b>MAF00302-50</b>	AF488-anti-SAH 2a	Alexa Fluor® 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>ACT00202-50</b>	Bio-SAM a	Biotin is conjugated to NH <sub>2</sub> group of S-adenosylmethionine.	50µg	\$160
<b>ACT00202-100</b>	Bio-SAM b	Biotin is conjugated to NH <sub>2</sub> group of S-adenosylmethionine.	100µg	\$260
<b>ACT00203-50</b>	Bio-6C-SAM 1a	Biotin is conjugated to NH <sub>2</sub> of SAM through 6-aminohexanoic acid.	50µg	\$290
<b>ACT00203-100</b>	Bio-6C-SAM 1b	Biotin is conjugated to NH <sub>2</sub> of SAM through 6-aminohexanoic acid.	100µg	\$520
<b>ACT00205-10</b>	Bio-6C-aza-SAM 1a	Biotin is conjugated to the NH <sub>2</sub> of aza-SAM through 6-aminohexanoic acid.	10µg	\$140
<b>ACT00205-50</b>	Bio-6C-aza-SAM 1b	Biotin is conjugated to the NH <sub>2</sub> of aza-SAM through 6-aminohexanoic acid.	50µg	\$480
<b>ACT00205-100</b>	Bio-6C-aza-SAM 1c	Biotin is conjugated to the NH <sub>2</sub> of aza-SAM through 6-aminohexanoic acid.	100µg	\$880
<b>ACT00206-10</b>	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
<b>ACT00206-50</b>	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
<b>ACT00206-100</b>	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
<b>AST00201-1</b>	Aza-SAM a	S-adenosylmethionine analog Aza-SAM standard. Buffer (4 ml) for serial dilution may be supplied.	1ml (500nM)	\$145
<b>AST00201-200</b>	Aza-SAM b	S-adenosylmethionine analog Aza-SAM standard. Buffer (10 ml) for serial dilution may be supplied.	200ul (5µM)	\$275
<b>AST00201-1s</b>	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
<b>AST00201</b>	Aza-SAM	A series of S-adenosylmethionine analog Aza-SAM standards: 500nM, 250nM, 125nM, 62.5nM, 31.25nM, 15.625nM, 7.8125nM,	1ml	\$355

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<b>ACT00301-50/20</b>	BSA-SAH	BSA was conjugated to S-Adenosylhomocysteine. Coating for 10 96-well micro-titer plates.	50µg (20µg)	\$180
<b>ACT00302-50</b>	Bio-SAH a	Biotin is conjugated to NH <sub>2</sub> group of S-adenosylhomocysteine.	50 µg	\$160
<b>ACT00302-100</b>	Bio-SAH b	Biotin is conjugated to NH <sub>2</sub> group of S-adenosylhomocysteine.	100µg	\$260
<b>ACT00303-50</b>	Bio-6C-SAH 1a	Biotin is conjugated to NH <sub>2</sub> of SAH through 6-aminohexanoic acid.	50µg	\$420
<b>ACT00303-100</b>	Bio-6C-SAH 1b	Biotin is conjugated to NH <sub>2</sub> of SAH through 6-aminohexanoic acid.	100µg	\$760
<b>ACT00305-10</b>	Bio-12CN-SAH 1a	Biotin is conjugated to NH <sub>2</sub> of SAH through a 10-carbon and 2-nitrogen linker.	10µg	\$140
<b>ACT00305-50</b>	Bio-12CN-SAH 1b	Biotin is conjugated to NH <sub>2</sub> of SAH through a 10-carbon and 2-nitrogen linker.	50µg	\$480
<b>ACT00305-100</b>	Bio-12CN-SAH 1c	Biotin is conjugated to NH <sub>2</sub> of SAH through a 10-carbon and 2-nitrogen linker.	100µg	\$880
<b>ACT00304-25</b>	Dig-6C-SAH 1a	Digoxin is conjugated to NH <sub>2</sub> - of SAH through 6-bromocaproic acid	25µg	\$280
<b>ACT00304-50</b>	Dig-6C-SAH 1b	Digoxin is conjugated to NH <sub>2</sub> of SAH through 6-bromocaproic acid.	50µg	\$480
<b>ACT00304-100</b>	Dig-6C-SAH 1c	Digoxin is conjugated to NH <sub>2</sub> of SAH through 6-bromocaproic acid.	100µg	\$880
<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