

S-Adenosylmethionine (SAM) and S-Adenosylhomocysteine (SAH) ELISA Kit | SAM/SAH elisa kit

S-Adenosylmethionine (SAM) and S-Adenosylhomocysteine (SAH) ELISA Combo Kit

CATALOG #
AAA44684

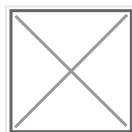
PRODUCT SYNONYMS

S-Adenosylmethionine (SAM) and S-Adenosylhomocysteine (SAH); S-Adenosylmethionine (SAM) and S-Adenosylhomocysteine (SAH) ELISA Combo Kit; SAM/SAH elisa kit

PRODUCT SPECIFICATIONS

Assay Type	Competitive
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Upon receipt, store the SAM Conjugate, SAH Conjugate, SAM Standard and SAH Standard at -80 degree C. Store the rest of the kit at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SAM/SAH elisa kit

Background: S-adenosylmethionine (SAM) is a methyl donor involved in the transfer of a methyl group to DNA, proteins, phospholipids, RNA, and neurotransmitters. Reactions that break down and regenerate SAM have been named the SAM cycle (Figure 1). SAM-dependent methylases use SAM as a substrate to yield s-adenosylhomocysteine (SAH), which is further broken down to homocysteine and adenosine by s-adenosylhomocysteine hydrolase. The homocysteine can be regenerated to methionine and finally SAM by methionine synthases. Donation of the SAM methyl group converts SAM into SAH, the latter being a potent inhibitor of methylation. For this reason, the SAM/SAH ratio has been used as an index of methylation potential in a cell. SAH in plasma has been found to be a more sensitive indicator for vascular disease risk than homocysteine. In addition, distinct classes of riboswitches that recognize SAH but not SAM and regulate gene expression have been discovered. SAM and SAH Combo ELISA Kit is a competitive enzyme immunoassay developed for the detection and quantitation of SAM and SAH in plasma, serum, lysates, or other biological fluid samples. The kit has a detection sensitivity limit of 0.625 nM for free SAM and 0.2 uM for free SAH. Each kit provides sufficient reagents to perform up to 96 total assays for SAM or SAH, including standard curves and unknown samples.

Product Categories/Family for SAM/SAH elisa kit

Metabolism Research; Amino Acid Metabolism; S-Adenosylmethionine (SAM) and S-Adenosylhomocysteine (SAH) ELISA Combo Kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sam-sah-elisa-kits/s-adenosylmethionine-sam-and-s-adenosylhomocysteine-sah/44684>