

Datasheet: 0100-0025

Description:	SYNTHETIC S-ADENOSYL-HOMOCYSTEINE
Name:	S-ADENOSYL-HOMOCYSTEINE
Format:	Purified
Product Type:	Antigen
Quantity:	5 mg

Product Details

Applications This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.abdserotec.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	■			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species Chemical

Buffer Solution 0.1 M HCl

Preservative Stabilisers None present

Specificity 0100-0025 is S-(5'-Adenosyl)-L-homocysteine, C₁₄H₂₀N₆O₅S, the product of enzymatic transmethylation reactions involving S-Adenosylmethionine (SAM).

S-Adenosyl-homocysteine hydrolyzes in acid solution (0.1M HCl, 100°C, over 90 minutes) to form S-ribosylhomocysteine. It is not hydrolyzed in neutral alkaline solutions (stable in 0.1M NaOH at 25°C over 10 minutes), but oxidation is more rapid in alkaline solution. S-Adenosyl-homocysteine is slowly oxidized to the sulfoxide as a solid and in solution. It is protected from oxidation by thiodiglycol; neutral solutions containing thiodiglycol are stable for long periods at 25°C.

This product is supplied as liquid.

CAS number: 979-92-0

Molecular Weight 384.4

Purity TLC: >99%

Storage Store at -20°C only.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.
Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 12 months from date of despatch.

Health And Safety Information Material Safety Datasheet Documentation #10154 available at: <http://www.abdserotec.com/uploads/MSDS/10154.pdf>

Regulatory For research purposes only

Concentration 1.0 mg/ml

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