

## Datasheet: 0100-0025

<b>Description:</b>	SYNTHETIC S-ADENOSYL-HOMOCYSTEINE
<b>Name:</b>	S-ADENOSYL-HOMOCYSTEINE
<b>Format:</b>	Purified
<b>Product Type:</b>	Antigen
<b>Quantity:</b>	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.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.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 appropriate negative/positive controls.

<b>Target Species</b>	Chemical
<b>Product Form</b>	Synthetic protein - liquid
<b>Buffer Solution</b>	0.1 M HCl
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	1.0 mg/ml
<b>Product Information</b>	<p>0100-0025 is S-(5'-Adenosyl)-L-homocysteine, <math>C_{14}H_{20}N_6O_5S</math>, the product of enzymatic transmethylation reactions involving S-Adenosylmethionine (SAM).</p> <p>S-Adenosyl-homocysteine (CAS number: 979-92-0) 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.</p>
<b>Protein Molecular Weight</b>	384.4
<b>Purity</b>	>99% by TLC

**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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10154 available at:  
10154: <https://www.bio-rad-antibodies.com/uploads/MSDS/10154.pdf>

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**Regulatory** For research purposes only

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'M362516:200514'

**Printed on 11 Aug 2020**

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