

## HRP-anti-SAH 2a

<b>Product name</b>	HRP-anti-SAH 2a
<b>Catalog Number</b>	MAH00302-50
<b>Description</b>	Horseradish peroxidase (HRP) conjugated anti-S-adenosylhomocysteine monoclonal antibody clone 301-16
<b>Specificity</b>	MAH00302 shows the following reactivities with related compounds: S-Adenosylhomocysteine: 100%, S-Adenosylmethionine: < 3%, Adenosine: < 1%, Homocysteine: < 1%, L-Cysteine: < 1%, Glutathione: < 1%, L-Cystathionine: < 1%, Methythioadenosine (MTA): < 5%, ADP (adenosine diphosphate): < 1%, ATP (adenosine triphosphate): < 1%.
<b>Immunogen</b>	S-Adenosylhomocysteine conjugated to BSA

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Store at -20°C
<b>Storage buffer</b>	PBS 10mM pH7.4 (NaCl 150mM), Proclin 0.1%, Glycerol 50%, BSA 10mg/ml
<b>Purity</b>	>95% Purified from mouse ascites fluid by affinity chromatography
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	301-16
<b>Immunoglobulin isotype</b>	IgG3
<b>Research Areas</b>	Methylation of biomolecules (DNA, RNA, proteins, hormones, neurotransmitters, etc.) One-carbon metabolism Signal Transduction Metabolism Pathways and Processes Cancers Arthritis Heart diseases Neurodegenerative diseases Atherosclerosis Liver diseases Kidney diseases

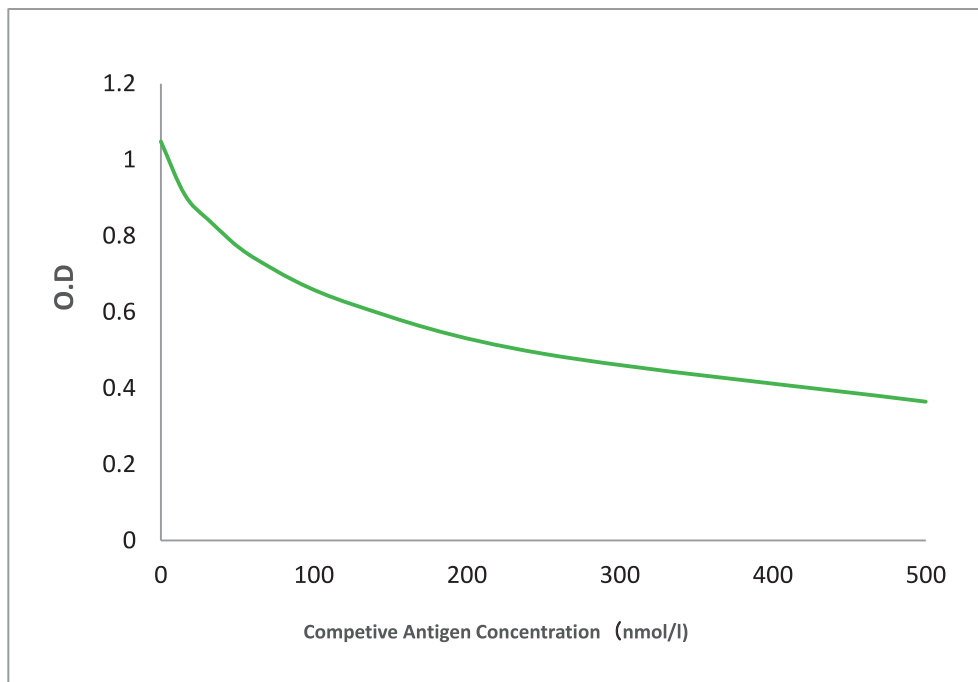
## Applications

The use of MAH00302 in the following tested applications has been tested.

The application notes include recommended starting dilutions. Optimal dilutions/concentrations should be determined by the end user. The product may be used in other not-yet-tested applications. Refer to Cat # MA00304 for details.

Application	Notes
cELISA	1/500 – 1/1,000 (depending on the amount of coating)

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**Figure 1** The standard curve with HRP-301-16 in direct competitive ELISA. The 0.5 µg/ml of SAH coating standard (Cat # ACT00302 Lot # ACP420210) was coated on micro-titer wells. Serial dilution of SAH standard (Cat # AST00301) was added along with 1:1,000 diluted HRP-301-16 and was incubated for about 60 minutes. The substrates were then added and OD450 was measured.