

## Datasheet: MCA6268GA

**BATCH NUMBER 64671895**

<b>Description:</b>	MOUSE ANTI HUMAN SAP
<b>Specificity:</b>	SAP
<b>Other names:</b>	Serum amyloid P-component
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AB18-4E2
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.1 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	▪			1.0 ug/ml

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>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml

<b>Immunogen</b>	Native SAP purified from human serum
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P02743</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">325</a>    APCS    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	PTX2
<b>Fusion Partners</b>	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
<b>Specificity</b>	<p><b>Mouse anti Human SAP antibody, clone AB18-4E2</b>, recognizes Serum Amyloid P-component (SAP) also known as 9.5S alpha-1-glycoprotein, a member of the pentraxin family of proteins. It is synthesized by hepatocytes and secreted into the blood. In humans the levels of SAP range between 20-50 µg/ml (<a href="#">Pilling &amp; Gomer 2018</a>).</p> <p>SAP is able to bind to a variety of molecules including apoptotic debris, bacterial polysaccharides, amyloid deposits and bacterial toxins. Phagocytic cells such as monocytes and macrophages then bind the SAP and engulf the material bound to SAP as part of debris clearance (<a href="#">Pilling &amp; Gomer 2018</a>).</p> <p>The purified Mouse anti Human SAP antibody, clone AB18-4E2 (MCA62648GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human SAP antibody, clone AB12-5A1 (<a href="#">MCA6269B</a>) as the detection antibody.</p>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6268GA">https://www.bio-rad-antibodies.com/SDS/MCA6268GA</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight@800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>

Human Anti Mouse IgG2a (HCA037...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)

### **Recommended Negative Controls**

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

### **Recommended Useful Reagents**

[MOUSE ANTI HUMAN SAP:Biotin \(MCA6269B\)](#)

### **ELISA Matched Pair - Detection Antibody**

[MOUSE ANTI HUMAN SAP:Biotin \(MCA6269B\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)

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