

Datasheet: MCA6269B

**BATCH NUMBER 100005427**

<b>Description:</b>	MOUSE ANTI HUMAN SAP:Biotin
<b>Specificity:</b>	SAP
<b>Other names:</b>	Serum amyloid P-component
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AB12-5A1
<b>Isotype:</b>	IgG2b
<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 conjugated to Biotin - 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</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml
<b>Immunogen</b>	Native SAP purified from human serum

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**External Database****Links****UniProt:**[P02743](#)[Related reagents](#)**Entrez Gene:**[325](#)

APCS

[Related reagents](#)

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**Synonyms**

PTX2

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**Fusion Partners**

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

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**Specificity**

**Mouse anti Human SAP antibody, clone AB12-5A1**, 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 ([Pilling & Gomer 2018](#)).

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 ([Pilling & Gomer 2018](#)).

The biotinylated Mouse anti Human SAP antibody, clone AB12-5A1 (MCA6269B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human SAP antibody, clone AB18-4E2 ([MCA6268GA](#)) as the capture antibody.

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**Storage**

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. 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 #10041 available at:

10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Useful Reagents

[MOUSE ANTI HUMAN SAP \(MCA6268GA\)](#)

### ELISA Matched Pair - Capture Antibody

[MOUSE ANTI HUMAN SAP \(MCA6268GA\)](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)**Worldwide**

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

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