Datasheet: MCA6269B

BATCH NUMBER 100005427

Description:	MOUSE ANTI HUMAN SAP:Biotin
Specificity:	SAP
Other names:	Serum amyloid P-component
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	AB12-5A1
Isotype:	IgG2b
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	Native SAP purified from human serum

External Database Links	**UniProt:** P02743 Related reagents **Entrez Gene:** 325 APCS Related reagents
Synonyms	PTX2
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
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.
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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA6269B 10041
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

MOUSE ANTI HUMAN SAP (MCA6268GA)

ELISA Matched Pair - Capture Antibody

MOUSE ANTI HUMAN SAP (MCA6268GA)

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

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