Datasheet: MCA6030GA

Description:	MOUSE ANTI HUMAN SERUM AMYLOID A
Specificity:	SERUM AMYLOID A
Other names:	SAA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	SAA19
Isotype:	IgG2a
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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			

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

Species Cross Reactivity

Reacts with: Cat, Horse, Dog

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN_3)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Human Serum Amyloid A (SAA)
External Database Links	**UniProt:** P19708 Related reagents P19857 Related reagents P19707 Related reagents P0DJI8 Related reagents
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells of the Sp2/0 myeloma cell line.
Specificity	**Mouse anti Human serum amyloid A, clone SAA19** recognizes the human serum amyloid A (SAA) protein, an acute phase protein, secreted by the liver following injury or infection. SAA is a widely used marker of inflamation as elevated levels of SAA may be detected in the blood following infection or tissue trauma. Serum amyloid A is highly conserved between species. Monoclonal antibodies raised against human SAA can be used to develop assays for measurement of SAA in domestic animals (Christensen *et al.*). Mouse anti Human serum amyloid A, clone SAA19 also recognizes canine, equine and feline SAA. Structurally, canine, feline and equine SAA differ from human SAA in that they contain an 8 aa insert in the central region of the sequence, human SSA being 104 aa, equine SAA 110 aa, while canine and feline SAA are 111 aa. Mouse anti Human serum amyloid A, clone SAA19 may be use as a capture reagent along with clone VSA34 (MCA6031GA) as the detection reagent in the development of immunoassays to detect SAA in dogs, cats and horses along with recombinant SAA (for canine, product code PDP006, for feline, product code PFP003 and for equine, product code PEP006) as standards.
ELISA	This product may be used in a direct ELISA or as a capture reagent in a sandwich ELISA, together with MCA6031GA, as the detection reagent.
Further Reading	1. Christensen, M *et al.* (2012) Evaluation of an automated assay based on monoclonal anti-human serum amyloid A (SAA) antibodies for measurement of canine, feline, and equine SAA. Vet J. 194: 332-7.

2. Jitpean, S. *et al.* (2014) Increased concentrations of Serum amyloid A in dogs with sepsis caused by pyometra. BMC Vet Res. 10: 273.

Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6030GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Human Anti Mouse IgG2a (HCA037...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
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
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)

Recommended Useful Reagents

MOUSE ANTI DOG SERUM AMYLOID A (MCA6031GA)
RECOMBINANT HORSE SERUM AMYLOID A (PEP006)
RECOMBINANT CAT SERUM AMYLOID A (PFP003)

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

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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