

Datasheet: MCA6031GA

Description:	MOUSE ANTI DOG SERUM AMYLOID A
Specificity:	SERUM AMYLOID A
Other names:	SAA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	VSA34
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
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	Dog
Species Cross Reactivity	Reacts with: Cat, Horse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Canine Serum Amyloid A (SAA)

**External Database
Links**

UniProt:

[P19708](#) [Related reagents](#)
[P19857](#) [Related reagents](#)
[P19707](#) [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 Dog serum amyloid A, clone VSA34, specifically recognizes the canine serum amyloid A (SAA) protein, an acute phase protein belonging to the SAA family. SAA is secreted into the plasma by the liver following injury or infection.

SAA is a widely used marker of inflammation as elevated levels of SAA may be detected in the blood of the animal following infection or tissue trauma.

Serum amyloid A is highly conserved between species with canine SAA being similar in structure to SAA in other species. Mouse anti Dog serum amyloid A, clone VSA34 recognizes both 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 have 111 aa.

Mouse anti Dog serum amyloid A, clone VSA34 is raised against dog, but may be used to detect SAA in cats and horses. Clone VSA34 may be use as a detection reagent along with clone SAA19 ([MCA6030GA](#)) as the capture 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 equine, product code [PEP006](#)) as a standard.

ELISA

This product may be used in a direct ELISA or as a detection reagent in a sandwich ELISA, when either conjugated to HRP, or with appropriately conjugated secondary antibody, together with [MCA6030GA](#) as the capture reagent.

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:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

Recommended Useful Reagents

[RECOMBINANT DOG SERUM AMYLOID A \(PDP006\)](#)
[RECOMBINANT HORSE SERUM AMYLOID A \(PEP006\)](#)
[RECOMBINANT CAT SERUM AMYLOID A \(PFP003\)](#)
[MOUSE ANTI DOG SERUM AMYLOID A \(MCA6031GA\)](#)

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
'M368636:200529'

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

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