

# Datasheet: MCA6031GA

**BATCH NUMBER 171025**

<b>Description:</b>	MOUSE ANTI DOG SERUM AMYLOID A
<b>Specificity:</b>	SERUM AMYLOID A
<b>Other names:</b>	SAA
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	VSA34
<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
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.

<b>Target Species</b>	Dog
<b>Species Cross Reactivity</b>	<p>Reacts with: Cat, Horse</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A



<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Canine Serum Amyloid A (SAA)
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P19708</a> <a href="#">Related reagents</a> <a href="#">P19857</a> <a href="#">Related reagents</a> <a href="#">P19707</a> <a href="#">Related reagents</a>
<b>Fusion Partners</b>	Spleen cells from immunized Balb/c mice were fused with cells of the Sp2/0 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Dog serum amyloid A, clone VSA34</b>, 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.</p> <p>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.</p> <p>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.</p> <p>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 (<a href="#">MCA6030GA</a>) 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 <a href="#">PDP006</a>, for feline, product code <a href="#">PFP003</a> and equine, product code <a href="#">PEP006</a>) as a standard.</p>
<b>ELISA</b>	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 <a href="#">MCA6030GA</a> as the capture reagent.
<b>Storage</b>	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
<b>Guarantee</b>	12 months from date of despatch



**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6031GA>  
10040

**Regulatory**

For research purposes only

## Related Products

### Recommended Useful Reagents

[RECOMBINANT HORSE SERUM AMYLOID A \(PEP006\)](#)

[RECOMBINANT CAT SERUM AMYLOID A \(PFP003\)](#)

[MOUSE ANTI DOG SERUM AMYLOID A \(MCA6031GA\)](#)

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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://www.bio-rad-antibodies.com/datasheets)  
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