

Datasheet: 108008

**BATCH NUMBER 168017**

<b>Description:</b>	GOAT ANTI MOUSE IgG2a:Biotin
<b>Specificity:</b>	IgG2a
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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	▪			1/2000 - 1/10,000
Immunoprecipitation			▪	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Mouse
<b>Species Cross Reactivity</b>	Does not react with:Human
<b>Product Form</b>	IgG conjugated to Biotin - liquid

**Antiserum Preparation** Antisera to mouse IgG2a were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography on mouse IgG2a covalently linked to agarose. This preparation has been cross absorbed with mouse IgM, IgG1, IgG2b, IgG3 and IgA to ensure class specificity.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )

**Stabilisers**

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**Approx. Protein Concentrations** IgG concentration 0.5 mg/ml

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**Immunogen** Mouse IgG2a.

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**External Database Links**

**UniProt:**

[P01863](#)    [Related reagents](#)  
[P01865](#)    [Related reagents](#)  
[P01864](#)    [Related reagents](#)

**Entrez Gene:**

[380793](#) Igh-1a    [Related reagents](#)  
[380793](#) Igh-1a    [Related reagents](#)  
[380793](#) Igh-1a    [Related reagents](#)

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**RRID** AB\_609722

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**Specificity** **Goat anti Mouse IgG2a** is a polyclonal antibody that recognizes mouse immunoglobulin G subclass 2a (IgG2a). This antibody has been reported to work in the following application: ELISA. IgG2a is a major IgG subclass in mouse serum and is associated with immune responses involving effector functions. Goat anti Mouse IgG2a has been used as a secondary detection reagent for mouse IgG2a labelled targets in immunological assays. Its use has been reported in studies involving antibody-mediated immune responses in BALB/c mouse models.

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**References** 1. Kushwaha, V. & Kaur, S. (2021) Cross-protective efficacy of immuno-stimulatory recombinant *Brugia malayi*. protein HSP60 against the *Leishmania donovani*. in BALB/c mice. [Biologicals. 72: 18-26.](#)

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**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

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**Guarantee** Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/108008>

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**Regulatory** For research purposes only

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**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
'M427903:240301'

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