

Datasheet: 108008

BATCH NUMBER 168161

Description:	GOAT ANTI MOUSE IgG2a:Biotin
Specificity:	IgG2a
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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	▪			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.

Target Species

Mouse

Species Cross Reactivity

Does not react with:Human

Product Form

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.

Buffer Solution

Phosphate buffered saline

Preservative

<0.1% Sodium Azide (NaN₃)

Stabilisers

Approx. Protein Concentrations IgG concentration 0.5 mg/ml

Immunogen Mouse IgG2a.

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](#)
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RRID AB_609722

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.

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.](#)

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.

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.

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

Regulatory For research purposes only

Product inquiries: 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
'M427903:240301'

Printed on 13 May 2026

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