

## Datasheet: STAR134PE

**BATCH NUMBER 173258**

<b>Description:</b>	GOAT ANTI MOUSE IgG2b:RPE
<b>Specificity:</b>	IgG2b
<b>Format:</b>	RPE
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<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	▪			1/500

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>	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE 488nm laser	496	578

**Antiserum Preparation** Antisera to mouse IgG2b were raised by repeated immunisation of goats with purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> ) Stabilizing agent (sucrose)
<b>Approx. Protein</b>	IgG concentration 0.5 mg/ml

## Concentrations

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**Immunogen** Mouse IgG2b paraproteins.

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## External Database Links

**UniProt:**

[P01867](#)    [Related reagents](#)

**Entrez Gene:**

[16016](#) Ighg2b    [Related reagents](#)

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**RRID** AB\_1102660

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**Specificity** **Goat anti Mouse IgG2b antibody** recognizes Mouse IgG2b as has been cross absorbed against mouse IgM, IgG1, IgG2a, IgG3 and IgA, pooled human sera and purified human paraproteins. Goat anti Mouse IgG2b antibody shows minimal cross-reactivity with human immunoglobulins.

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**Flow Cytometry** Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul

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## References

1. Knipping, K. *et al.* (2011) A gastrointestinal rotavirus infection mouse model for immune modulation studies. [Virology J. 8: 109.](#)
  2. Hwang, S.R. *et al.* (2015) Altered expression levels of neurodevelopmental proteins in fetal brains of BTBR T+tf/J mice with autism-like behavioral characteristics. [J Toxicol Environ Health A. 78 \(8\): 516-23.](#)
  3. Zhao, Z. *et al.* (2015) Multiple B-cell epitope vaccine induces a *Staphylococcus* enterotoxin B-specific IgG1 protective response against MRSA infection. [Sci Rep. 5: 12371.](#)
  4. Kushwaha, V. *et al.* (2019) Troponin 1 of human filarial parasite *Brugia malayi*: cDNA cloning, expression, purification, and its immunoprophylactic potential. [Parasitol Res. 118 \(6\): 1849-63.](#)
  5. Shi, F. *et al.* (2020) The changes of immune-related molecules within the ileal mucosa of piglets infected with porcine circovirus type 2. [J Vet Sci. 21 \(5\): e78.](#)
  6. Relic, B. *et al.* (2018) Serum starvation raises turnover of phosphorylated p62/SQSTM1 (Serine 349), reveals expression of proteasome and N-glycanase1 interactive protein RAD23B and sensitizes human synovial fibroblasts to BAY 11-7085-induced cell death. [Oncotarget. 9 \(88\): 35830-43.](#)
  7. Wu, Y. *et al.* (2020) Sterilizing immunity against SARS-CoV-2 in hamsters conferred by a novel recombinant subunit vaccine [bioRxiv: 20 Dec.\[Epub ahead of print\].](#)
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## Storage

This product is shipped at ambient temperature.  
Store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

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<b>Guarantee</b>	6 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10045 available at: <a href="https://www.bio-rad-antibodies.com/SDS/STAR134PE">https://www.bio-rad-antibodies.com/SDS/STAR134PE</a>
<b>Regulatory</b>	For research purposes only

**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)  
'M441625:250523'

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