

## Datasheet: STAR105PE

<b>Description:</b>	GOAT F(ab') <sub>2</sub> ANTI MOUSE IgG (H/L):RPE
<b>Specificity:</b>	IgG (H/L)
<b>Format:</b>	RPE
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	1 ml

### 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	▪			1/5

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

Reacts with: Rat

**N.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.

#### Product Form

F(ab')<sub>2</sub> fragment of IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

#### Reconstitution

Reconstitute with 1 ml distilled water

#### Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
RPE 488nm laser	496	578

#### Antiserum Preparation

Antisera to mouse IgG were raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

#### Buffer Solution

Phosphate buffered saline

**Preservative** 0.09% Sodium Azide (NaN<sub>3</sub>)  
**Stabilisers** 1% Bovine Serum Albumin  
5% Sucrose

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**Immunogen** Purified mouse immunoglobulin G

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**External Database  
Links**

**UniProt:**

[P01869](#) [Related reagents](#)  
[P01843](#) [Related reagents](#)  
[P01724](#) [Related reagents](#)  
[P01867](#) [Related reagents](#)  
[P01864](#) [Related reagents](#)  
[P01868](#) [Related reagents](#)  
[P01865](#) [Related reagents](#)  
[P01837](#) [Related reagents](#)  
[P01844](#) [Related reagents](#)  
[P03987](#) [Related reagents](#)  
[P01863](#) [Related reagents](#)  
[P01845](#) [Related reagents](#)

**Entrez Gene:**

[16017](#) Ighg1 [Related reagents](#)  
[433053](#) LOC433053 [Related reagents](#)  
[16016](#) Ighg2b [Related reagents](#)  
[16017](#) Ighg1 [Related reagents](#)  
[16142](#) Iglv1 [Related reagents](#)  
[380793](#) Igh-1a [Related reagents](#)  
[16071](#) Ighk-C [Related reagents](#)  
[110786](#) Iglc2 [Related reagents](#)  
[110787](#) Iglc3 [Related reagents](#)  
[380793](#) Igh-1a [Related reagents](#)  
[380793](#) Igh-1a [Related reagents](#)  
[380795](#) AI324046 [Related reagents](#)

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**Synonyms** Igh-4

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**RRID** AB\_323003

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**Specificity** **Goat F(ab')<sub>2</sub> anti Mouse IgG (H/L) antibody** recognizes mouse IgG, reacting with all mouse IgG subclasses.

Goat F(ab')<sub>2</sub> anti Mouse IgG (H/L) antibody has been adsorbed against human immunoglobulins, but cross-reacts with rat IgG.

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**Flow Cytometry** Use 50ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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**References**

1. Hsiao, Y.W. *et al.* (2002) Effect of tumor infiltrating lymphocytes on the expression of MHC molecules in canine transmissible venereal tumor cells. [Vet Immunol Immunopathol. 87 \(1-2\): 19-27.](#)
2. Lin, T.C. *et al.* (2005) Neutrophil-mediated secretion and activation of matrix metalloproteinase-9 during cardiac surgery with cardiopulmonary bypass. [Anesth Analg. 100: 1554-60.](#)
3. Urquhart, P. *et al.* (2007) Carbon monoxide-releasing molecules modulate leukocyte-endothelial interactions under flow. [J Pharmacol Exp Ther. 321 \(2\): 656-62.](#)
4. Blank, N. *et al.* (2007) Atorvastatin inhibits T cell activation through 3-hydroxy-3-methylglutaryl coenzyme A reductase without decreasing cholesterol synthesis. [J Immunol. 179: 3613-21.](#)
5. Dietrich, I. *et al.* (2011) Feline tetherin efficiently restricts release of feline immunodeficiency virus but not spreading of infection. [J Virol. 85: 5840-52.](#)
6. Mateo, M. *et al.* (2011) VP24 is a molecular determinant of Ebola virus virulence in guinea pigs. [J Infect Dis. 204 Suppl 3: S1011-20.](#)
7. Sellers, M.D. *et al.* (2013) Technical note: Determination of preanalysis storage temperature and time allowances for *ex vivo* innate immune responses. [J Dairy Sci. 96 \(1\): 384-9.](#)

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**Storage**

Prior to reconstitution store at +4°C. Following reconstitution 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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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #20487 available at: <https://www.bio-rad-antibodies.com/SDS/STAR105PE>  
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**Regulatory**

For research purposes only

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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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