

## Datasheet: STAR105

|                      |                                               |
|----------------------|-----------------------------------------------|
| <b>Description:</b>  | GOAT F(ab') <sub>2</sub> ANTI MOUSE IgG (H/L) |
| <b>Specificity:</b>  | IgG (H/L)                                     |
| <b>Format:</b>       | Purified                                      |
| <b>Product Type:</b> | Polyclonal Antibody                           |
| <b>Isotype:</b>      | Polyclonal IgG                                |
| <b>Quantity:</b>     | 0.8 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                      | ■   |    |                | 1/500 - 1/1000     |
| Western Blotting           |     |    | ■              |                    |

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>       | Reacts with: Rat<br><b>N.B.</b> Antibody reactivity and working conditions may vary between species.                                                                                                                                    |
| <b>Product Form</b>                   | Purified IgG - liquid                                                                                                                                                                                                                   |
| <b>Preparation</b>                    | Purified IgG was prepared from whole serum by affinity chromatography. F(ab') <sub>2</sub> fragments were prepared by pepsin digestion of the IgG followed by a gel filtration step to remove any remaining intact IgG or Fc fragments. |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                                                                                                                                                                               |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide                                                                                                                                                                                                                      |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.8 mg/ml                                                                                                                                                                                                             |
| <b>Immunogen</b>                      | Purified mouse immunoglobulin G                                                                                                                                                                                                         |

**External Database  
Links**

**UniProt:**

|                        |                                  |
|------------------------|----------------------------------|
| <a href="#">P01869</a> | <a href="#">Related reagents</a> |
| <a href="#">P01843</a> | <a href="#">Related reagents</a> |
| <a href="#">P01724</a> | <a href="#">Related reagents</a> |
| <a href="#">P01867</a> | <a href="#">Related reagents</a> |
| <a href="#">P01864</a> | <a href="#">Related reagents</a> |
| <a href="#">P01868</a> | <a href="#">Related reagents</a> |
| <a href="#">P01865</a> | <a href="#">Related reagents</a> |
| <a href="#">P01837</a> | <a href="#">Related reagents</a> |
| <a href="#">P01844</a> | <a href="#">Related reagents</a> |
| <a href="#">P03987</a> | <a href="#">Related reagents</a> |
| <a href="#">P01863</a> | <a href="#">Related reagents</a> |
| <a href="#">P01845</a> | <a href="#">Related reagents</a> |

**Entrez Gene:**

|                        |           |                                  |
|------------------------|-----------|----------------------------------|
| <a href="#">16017</a>  | Ighg1     | <a href="#">Related reagents</a> |
| <a href="#">433053</a> | LOC433053 | <a href="#">Related reagents</a> |
| <a href="#">16016</a>  | Ighg2b    | <a href="#">Related reagents</a> |
| <a href="#">16017</a>  | Ighg1     | <a href="#">Related reagents</a> |
| <a href="#">16142</a>  | Iglv1     | <a href="#">Related reagents</a> |
| <a href="#">380793</a> | Igh-1a    | <a href="#">Related reagents</a> |
| <a href="#">16071</a>  | Igk-C     | <a href="#">Related reagents</a> |
| <a href="#">110786</a> | Iglc2     | <a href="#">Related reagents</a> |
| <a href="#">110787</a> | Iglc3     | <a href="#">Related reagents</a> |
| <a href="#">380793</a> | Igh-1a    | <a href="#">Related reagents</a> |
| <a href="#">380793</a> | Igh-1a    | <a href="#">Related reagents</a> |
| <a href="#">380795</a> | AI324046  | <a href="#">Related reagents</a> |

**Synonyms**

Igh-4

**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.

**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. Urquhart, P. *et al.* (2007) Carbon monoxide-releasing molecules modulate leukocyte-endothelial interactions under flow. [J Pharmacol Exp Ther. 321 \(2\): 656-62.](#)
3. Dietrich, I. *et al.* (2011) Feline tetherin efficiently restricts release of feline immunodeficiency virus but not spreading of infection. [J Virol. 85: 5840-52.](#)
4. Mateo, M. *et al.* (2011) VP24 Is a Molecular Determinant of Ebola Virus Virulence in Guinea Pigs [J Infect Dis. 204 \(suppl 3\): S1011-S1020](#)
5. 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.](#)
6. 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.](#)

7. Sellers, M.D. *et al.* (2012) Determination of preanalysis storage temperature and time allowances for ex vivo innate immune responses. [J Dairy Sci. pii: S0022-0302\(12\)00805-3.](#)

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**Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life**

18 months from date of despatch.

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**Health And Safety Information**

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

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

**North & South America**

Tel: +1 800 265 7376

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