

# Datasheet: STAR126B

**BATCH NUMBER 169561**

|                      |                                                 |
|----------------------|-------------------------------------------------|
| <b>Description:</b>  | GOAT ANTI HUMAN IgG F(ab') <sub>2</sub> :BIOTIN |
| <b>Specificity:</b>  | IgG F(ab') <sub>2</sub>                         |
| <b>Format:</b>       | Biotin                                          |
| <b>Product Type:</b> | Polyclonal Antibody                             |
| <b>Isotype:</b>      | Polyclonal IgG                                  |
| <b>Quantity:</b>     | 0.5 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             | ▪   |    |                | 1/200 - 1/1000     |
| Immunohistology - Frozen   | ▪   |    |                | 1/200 - 1/1000     |
| Immunohistology - Paraffin |     |    | ▪              |                    |
| ELISA                      | ▪   |    |                | 1/1,000 - 1/10,000 |
| Western Blotting           | ▪   |    |                | 1/1,000 - 1/10,000 |

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

|                                       |                                                                     |
|---------------------------------------|---------------------------------------------------------------------|
| <b>Target Species</b>                 | Human                                                               |
| <b>Product Form</b>                   | Purified IgG conjugated to Biotin - liquid                          |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography.                   |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                           |
| <b>Preservative Stabilisers</b>       | <0.1% Sodium Azide (NaN <sub>3</sub> )<br>1.5% Bovine Serum Albumin |
| <b>Approx. Protein Concentrations</b> | 1.0 mg/ml                                                           |
| <b>Immunogen</b>                      | Human IgG F(ab') <sub>2</sub>                                       |

**External Database****Links****UniProt:**[P01834](#)[Related reagents](#)[P0CG04](#)[Related reagents](#)**Entrez Gene:**[3514](#)

IGKC

[Related reagents](#)[28815](#)

IGLV2-14

[Related reagents](#)**RRID**

AB\_961503

**Specificity**

**Goat anti Human IgG F(ab')<sub>2</sub> antibody** recognizes Fab and F(ab')<sub>2</sub> portion of human IgG by IEP. It reacts with other human immunoglobulins through common light chain reactivity.

Goat anti Human IgG F(ab')<sub>2</sub> antibody demonstrates minimal cross reactivity with bovine, horse and mouse IgG; other species have not been tested.

No reactivity is seen with the Fc portion of human IgG or non-immunoglobulin serum proteins.

**This antibody is a performance tested, matched reagent for use with Bio-Rad HuCAL antibodies.**

**References**

1. Eriksson, O. *et al.* (2011) Development of an antibody to bovine IL-2 reveals multifunctional CD4 T(EM) cells in cattle naturally infected with bovine tuberculosis. [PLoS One. 6 \(12\): e29194.](#)
2. Back, J.W. *et al.* (2012) Selecting highly structure-specific antibodies using structured synthetic mimics of the cystine knot protein sclerostin. [Protein Eng Des Sel. 25: 251-9.](#)
3. Eriksson, O. *et al.* (2018) Pancreatic imaging using an antibody fragment targeting the zinc transporter type 8: a direct comparison with radio-iodinated Exendin-4. [Acta Diabetol. 55 \(1\): 49-57.](#)
4. Wege, A.K. *et al.* (2020) A novel rabbit derived anti-HER2 antibody with pronounced therapeutic effectiveness on HER2-positive breast cancer cells *in vitro* and in humanized tumor mice (HTM). [J Transl Med. 18 \(1\): 316.](#)
5. Suskiewicz, M.J. *et al.* (2019) Structure of McsB, a protein kinase for regulated arginine phosphorylation. [Nat Chem Biol. 15 \(5\): 510-518.](#)
6. Hentrich, C. *et al.* (2024) Engineered reversible inhibition of SpyCatcher reactivity enables rapid generation of bispecific antibodies. [Nat Commun. 15 \(1\): 5939.](#)
7. Bonfiglio, J.J. *et al.* (2020) An HPF1/PARP1-Based Chemical Biology Strategy for Exploring ADP-Ribosylation. [Cell. 183 \(4\): 1086-1102.e23.](#)

**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.

|                                      |                                                                                                                                                                                        |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Guarantee</b>                     | 12 months from date of despatch                                                                                                                                                        |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10041 available at:<br><a href="https://www.bio-rad-antibodies.com/SDS/STAR126B">https://www.bio-rad-antibodies.com/SDS/STAR126B</a><br>10041 |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                             |

## Related Products

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
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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://bio-rad-antibodies.com/datasheets)  
'M428659:240301'

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