

## Datasheet: STAR146F

**BATCH NUMBER 166721**

|                      |  |
|----------------------|--|
| <b>Description:</b>  | GOAT F(ab') <sub>2</sub> ANTI HUMAN IgM:FITC |
| <b>Specificity:</b>  | IgM  |
| <b>Format:</b>       | FITC   |
| <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             | ▪   |    |                | Neat - 1/10        |
| Immunohistology - Frozen   | ▪   |    |                |                    |
| Immunohistology - Paraffin |     |    | ▪              |                    |
| Immunofluorescence         | ▪   |    |                | Neat - 1/10        |

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

#### Target Species

Human

#### Product Form

F(ab')<sub>2</sub> fragments of purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

| Max Ex/Em | Fluorophore | Excitation Max (nm) | Emission Max (nm) |
|-----------|-------------|---------------------|-------------------|
|           | FITC        | 490                 | 525               |

#### Antiserum Preparation

Antisera to human IgM were raised by repeated immunisation of goats with purified antigen. Purified IgG was prepared from whole serum by affinity chromatography. F(ab')<sub>2</sub> fragments were prepared by pepsin digestion.

#### Buffer Solution

Phosphate buffered saline

#### Preservative Stabilisers

<0.1% Sodium Azide (NaN<sub>3</sub>)

|                                       |  |
|---------------------------------------|--|
| <b>Approx. Protein Concentrations</b> | F(ab') <sub>2</sub> concentration 0.5 mg/ml  |
| <b>Immunogen</b>                      | Human IgM.   |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">P01871</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">3507</a>    IGHM    <a href="#">Related reagents</a></p>  |
| <b>RRID</b>                           | AB_1102673   |
| <b>Specificity</b>                    | <b>Goat F(ab')<sub>2</sub> anti Human IgM antibody</b> recognizes the heavy chain of human IgM and has been cross absorbed against human IgA and IgG. Goat F(ab') <sub>2</sub> anti Human IgM antibody might cross react with IgM from other species.  |
| <b>Flow Cytometry</b>                 | Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.  |
| <b>References</b>                     | <ol style="list-style-type: none"> <li>Lu, D.R. <i>et al.</i> (2014) Identifying functional anti-<i>Staphylococcus aureus</i> antibodies by sequencing antibody repertoires of patient plasmablasts. <a href="#">Clin Immunol. 152 (1-2): 77-89.</a></li> <li>Tan, Y.C. <i>et al.</i> (2014) High-throughput sequencing of natively paired antibody chains provides evidence for original antigenic sin shaping the antibody response to influenza vaccination. <a href="#">Clin Immunol. 151 (1): 55-65.</a></li> <li>Mpakou, V.E. <i>et al.</i> (2017) Quantitative and qualitative analysis of regulatory T cells in B cell chronic lymphocytic leukemia. <a href="#">Leuk Res. 60: 74-81.</a></li> </ol> |
| <b>Storage</b>                        | <p>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.</p> <p>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.</p>   |
| <b>Guarantee</b>                      | Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.   |
| <b>Health And Safety Information</b>  | Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/STAR146F10040">https://www.bio-rad-antibodies.com/SDS/STAR146F10040</a>   |
| <b>Regulatory</b>                     | For research purposes only   |

## Related Products

### Recommended Useful Reagents

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

HUMAN SEROBLOCK (BUF070B)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
|----------------------------------|---|------------------|---|---------------|---|

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)

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