

## Datasheet: STAR147F

**BATCH NUMBER 169254**

|                      |                          |
|----------------------|--------------------------|
| <b>Description:</b>  | GOAT ANTI HUMAN IgE:FITC |
| <b>Specificity:</b>  | IgE                      |
| <b>Format:</b>       | FITC                     |
| <b>Product Type:</b> | Polyclonal Antibody      |
| <b>Isotype:</b>      | Polyclonal IgG           |
| <b>Quantity:</b>     | 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             | ▪   |    |                |                    |
| Immunohistology - Frozen   |     |    | ▪              |                    |
| Immunohistology - Paraffin |     |    | ▪              |                    |

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 the appropriate negative/positive controls.

#### Target Species

Human

#### Product Form

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

#### Max Ex/Em

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

#### Preparation

Purified IgG prepared by affinity chromatography.

#### Antiserum Preparation

Antisera to human IgE were raised by repeated immunisations of goats with highly purified antigen.

#### Buffer Solution

Phosphate buffered saline.

#### Preservative Stabilisers

0.09% Sodium Azide  
0.2% Bovine Serum Albumin

|                                       |  |
|---------------------------------------|--|
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml.   |
| <b>Immunogen</b>                      | Native human IgE.  |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">P01854</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">3497</a>    IGHE    <a href="#">Related reagents</a></p>  |
| <b>RRID</b>                           | AB_1221599.  |
| <b>Specificity</b>                    | <p><b>Goat anti Human IgE polyclonal antibody</b> recognizes human IgE. Minimal cross-reactivity (&lt;0.1%) is expected with other human immunoglobulins and light chains.</p> <p>Goat anti Human IgE in a biotinylated format has been successfully employed as a detection reagent in the development of a sensitive sandwich ELISA for the measurement of human IgE.</p>  |
| <b>Flow Cytometry</b>                 | Use 10µl of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100µl.  |
| <b>References</b>                     | <ol style="list-style-type: none"> <li>1. Khan, F.M. <i>et al.</i> (2012) Basophil activation test compared to skin prick test and fluorescence enzyme immunoassay for aeroallergen-specific Immunoglobulin-E. <a href="#">Allergy Asthma Clin Immunol. 8 (1): 1.</a></li> <li>2. Pinot de Moira, A. <i>et al.</i> (2013) Effects of treatment on IgE responses against parasite allergen-like proteins and immunity to reinfection in childhood schistosome and hookworm coinfections. <a href="#">Infect Immun. 81 (1): 23-32.</a></li> <li>3. Zheng, W. <i>et al.</i> (2016) Upregulated expression of substance P in basophils of the patients with chronic spontaneous urticaria: induction of histamine release and basophil accumulation by substance P. <a href="#">Cell Biol Toxicol. 32 (3): 217-28.</a></li> <li>4. Jin Y <i>et al.</i> (2015) Allergenic response to squid (<i>Todarodes pacificus</i>) tropomyosin Tod p1 structure modifications induced by high hydrostatic pressure. <a href="#">Food Chem Toxicol. 76: 86-93.</a></li> <li>5. Wei, J.F. <i>et al.</i> (2009) Induction of mast cell accumulation, histamine release and skin edema by N49 phospholipase A2. <a href="#">BMC Immunol. 10: 21.</a></li> <li>6. Tsai, C.T. <i>et al.</i> (2018) Isotype-specific agglutination-PCR (ISAP): A sensitive and multiplex method for measuring allergen-specific IgE. <a href="#">J Allergy Clin Immunol. 141 (5): 1901-4.e15.</a></li> </ol> |
| <b>Storage</b>                        | <p>Store at +4°C. DO NOT FREEZE.</p> <p>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.</p>   |
| <b>Guarantee</b>                      | 12 months from date of despatch.   |

**Health And Safety Information** Material Safety Datasheet documentation #10041 available at:  
<https://www.bio-rad-antibodies.com/SDS/STAR147F>  
10041

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**Regulatory** For research purposes only.

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## Related Products

### Recommended Useful Reagents

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

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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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