

Datasheet: STAR147

BATCH NUMBER 167254

| | |
|----------------------|---------------------|
| Description: | GOAT ANTI HUMAN IgE |
| Specificity: | IgE |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 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.

| | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | |
| 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. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Rhesus Monkey

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

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography.

Antiserum Preparation

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

Buffer Solution

Phosphate buffered saline

| | |
|---------------------------------------|--|
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |
| Immunogen | Native human IgE. |
| External Database Links | <p>UniProt: P01854 Related reagents</p> <p>Entrez Gene: 3497 IGHE Related reagents</p> |
| RRID | AB_1172157 |
| Specificity | <p>Goat anti Human IgE polyclonal antibody recognizes human IgE. Minimal cross-reactivity (<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> |
| References | <ol style="list-style-type: none"> 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. Allergy Asthma Clin Immunol. 8 (1): 1. 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. Infect Immun. 81 (1): 23-32. 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. Cell Biol Toxicol. 32 (3): 217-28. 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. Food Chem Toxicol. 76: 86-93. 5. Wei, J.F. <i>et al.</i> (2009) Induction of mast cell accumulation, histamine release and skin edema by N49 phospholipase A2. BMC Immunol. 10: 21. 6. Tsai, C.T. <i>et al.</i> (2018) Isotype-specific agglutination-PCR (ISAP): A sensitive and multiplex method for measuring allergen-specific IgE. J Allergy Clin Immunol. 141 (5): 1901-4.e15. |
| Storage | <p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |
| Guarantee | 12 months from date of despatch. |
| Health And Safety | Material Safety Datasheet documentation #10040 available at: |

Information <https://www.bio-rad-antibodies.com/SDS/STAR14710040>

Regulatory For research purposes only.

Related Products

Recommended Secondary Antibodies

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

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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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