

Datasheet: STAR147

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

0.09% Sodium Azide (NaN₃)

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Native human IgE.

External Database Links**UniProt:**

[P01854](#) [Related reagents](#)

Entrez Gene:

[3497](#) IGHE [Related reagents](#)

RRID AB_1172157

Specificity

Goat anti Human IgE polyclonal antibody recognizes human IgE. Minimal cross-reactivity (<0.1%) is expected with other human immunoglobulins and light chains.

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.

References

1. Khan, F.M. *et al.* (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. *et al.* (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. *et al.* (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 *et al.* (2015) Allergenic response to squid (*Todarodes pacificus*) tropomyosin Tod p1 structure modifications induced by high hydrostatic pressure. [Food Chem Toxicol. 76: 86-93.](#)
 5. Wei, J.F. *et al.* (2009) Induction of mast cell accumulation, histamine release and skin edema by N49 phospholipase A2. [BMC Immunol. 10: 21.](#)
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Storage

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/STAR147>
10040

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

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