

Datasheet: STAR147B

BATCH NUMBER 173873

Description:	GOAT ANTI HUMAN IgE:Biotin
Specificity:	IgE
Format:	Biotin
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
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			1:10000 - 1:100000
Western Blotting	■			1:10000 - 1:100000

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 appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - liquid
Antiserum Preparation	Antisera to human IgE were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography using antigen coupled to agarose beads..
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 0.2% Bovine Serum Albumin
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_10672882
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. <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	This product is shipped at ambient temperature. 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 #10041 available at: https://www.bio-rad-antibodies.com/SDS/STAR147B
Regulatory	For research purposes only.

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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