

Datasheet: STAR147F

BATCH NUMBER 166351

Description:	GOAT ANTI HUMAN IgE:FITC
Specificity:	IgE
Format:	FITC
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			▪	

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

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 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
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_1221599.
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>
Flow Cytometry	Use 10µl of the suggested working dilution to label 1x10 ⁶ cells in 100µl.
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. This product is photosensitive and should be</p>

protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee	12 months from date of despatch.
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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 America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: 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	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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
'M421296:230706'

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