

Datasheet: STAR147F

Description:	GOAT ANTI HUMAN IgE:FITC
Specificity:	IgE
Format:	FITC
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 mg

Product Details

RRID AB_1221599

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.

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 0.09% Sodium Azide
Stabilisers 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](#)

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.

Flow Cytometry Use 10 ul of the suggested working dilution to label 1×10^6 cells in 100ul.

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.](#)

Storage Store at +4°C. DO NOT FREEZE.
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.

Guarantee 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

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

'M339705:181219'

Printed on 11 Oct 2019

