

Datasheet: STAR147A

Description:	GOAT ANTI HUMAN IgE:Alk. Phos.
Specificity:	IgE
Format:	Alk. Phos.
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.5 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	■			1/1000 - 1/10000
Immunoprecipitation			■	
Western Blotting	■			1/1000 - 1/5000

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 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 Alkaline Phosphatase - liquid
Antiserum Preparation	Antiserum to human IgE was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	50mM HEPES, 0.1M NaCl, 1mM MgCl ₂ , 0.1mM ZnCl ₂
Preservative	0.09% Sodium Azide
Stabilisers	0.2% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5 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.

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

Shelf Life

12 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10089 available at:
10089: <https://www.bio-rad-antibodies.com/uploads/MSDS/10089.pdf>

Regulatory

For research purposes only

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