Goat Anti Dog IgE Polyclonal Antibody, AP

DPBT-67040GD Goat(IgE)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Goat Anti Dog IgE,AP
Host	Goat
Isotype	Polyclonal IgG
Species	Dog
Conjugation	AP
Applications	ELISA,
Dilution	ELISA: 1/500 - 1/5,000

PACKAGING

Format	Purified IgG conjugated to Alkaline Phosphatase - liquid
Protein Concentration	IgG concentration 0.1mg/ml
Buffer	50mM HEPES, 0.1M NaCl, 1mM MgCl2, 0.1mM ZnCl2
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.
Preservative	0.09%Sodium Azide0.2%Bovine Serum Albumin
Shelf Life	12 months from date of despatch.

BACKGROUND

Introduction	In biology, Immunoglobulin E (IgE) is a class of antibody (or immunoglobulin isotype) that has been found only in mammals. IgE is a monomeric antibody with 4 Ig-like domains (CH1->CH4). It plays an important role in allergy, and is especially associated with type 1 hypersensitivity. IgE has also been implicated in immune system responses to most parasitic worms like Schistosomamansoni, Trichinellaspiralis, and Fasciola hepatica, and may be important during immune defense against certain protozoan parasites such as Plasmodium falciparum. Although IgE is typically the least abundant isotype -blood serum IgE levels in a normal (non-atopic) individual are only 0.05% of the Ig concentration, compared to 10 mg/ml for the IgGs (the isotypes responsible for most of the classical adaptive immune response) -it is capable of triggering the most powerful immune reactions. IgE was discovered in 1966 by the Japanese scientist couple Teruka and Kimishige Ishizaka.
Keywords	Igh2; IGHE; IGHEP1; Immunoglobulin heavy constant epsilon; IgE; IgE ε; Immunoglobulin E; Immunoglobulin E ε; IgE heavy chain, Immunoglobulin E heavy chain; IgE ε heavy chain; Immunoglobulin E ε heavy chain

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