



[Go to Product page](#)

Datasheet for ABIN458025

## Goat anti-Human IgE (Fc Region) Antibody (FITC)

### Overview

Quantity:	1 mL
Target:	IgE
Binding Specificity:	Fc Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	FITC
Application:	ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	Pools of purified homogenous IgE isolated from human serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	Fluorescein isothiocyanate-conjugated IgG fraction of polyclonal Goat antiSerum to Human IgE Fc specific
Cross-Reactivity (Details):	This immunoconjugate is not species-specific since inter-species cross-reactivity is a normal feature of antisera to immunoglobulins. Cross-reactivity of this conjugate has not been tested in detail
Characteristics:	The reactivity of the antiserum is directed to the Fc subunit of the IgE molecule, which expresses strict (class) specificity. In immunoelectrophoresis and radial in immunodiffusion using various antiserum concentrations against human serum, a single precipitin line has been

## Product Details

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obtained which shows a reaction of identity with the precipitin lines obtained with the purified IgE used as immunogens. It does not react with IgG including all subclasses, IgG/Fab fragments, IgM and IgA or any non-Ig protein in human serum, as tested by immunoelectrophoresis and double radial immunodiffusion. The antiserum also react with membrane-bound IgE in peripheral blood cells as tested by immunofluorescence microscopy. In immunocytochemical and immunohistochemical staining for the detection of IgE at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates, to identify and measure IgE in human serum or other body fluids. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.

Purification: Purified

## Target Details

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Target: IgE

Abstract: [IgE Products](#)

## Application Details

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Application Notes: ELISA, Immunocytochemistry, Immunohistochemistry (frozen), (In)direct immunofluorescence.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: It is reconstituted by adding 1 mL sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20 °C. FITC-coupled purified hyperimmune goat IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity. It is reconstituted by adding 1 mL sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20 °C.

Buffer: FITC-coupled purified hyperimmune goat IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity.

Preservative: Without preservative

## Handling

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Storage: RT, 4 °C, -20 °C

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Storage Comment: The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C, prolonged storage at or below -20°C. Prior to use, an aliquot is thawed slowly at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the immunoconjugate.