

Datasheet for ABIN457753

## Goat anti-Guinea Pig IgG (Chain kappa), (Chain lambda), (Fab Region), (Free & Bound) Antibody (FITC) - Preadsorbed



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### Overview

Quantity: 1 mL

Target: IgG

Binding Specificity: Chain kappa, Chain lambda, Fab Region, Free & Bound

Reactivity: Guinea Pig

Host: Goat

Clonality: Polyclonal

Conjugate: FITC

Application: Immunofluorescence (IF)

### Product Details

**Immunogen:** Purified normal Fab of polyclonal guinea pig IgG. Freund's complete adjuvant is used in the first step of the immunization procedure.

**Isotype:** IgG

**Specificity:** The reactivity of the antiserum is directed to the Fab subunits of intact IgG, IgA IgM and other Ig classes of both light chain types, with their Fab or F(ab')<sub>2</sub> subunits, and with free light chains of kappa and lambda type. In immunoelectrophoresis and double radial immunodiffusion using various antiserum concentrations against pooled guinea pig serum a characteristic precipitin line is obtained, which shows a reaction of identity with the precipitin line of the purified Fab

**Characteristics:** Fluorescein isothiocyanate-conjugated IgG fraction of polyclonal goat antiserum to guinea pig Fab of IgG.

Fluorochrome/IgG protein molar ratio (F/P) is approximately 2.5.

## Product Details

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Purification: Preadsorption: Immunoaffinity adsorbed using insolubilized antigens.

## Target Details

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Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

## Application Details

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Application Notes: Direct staining of fixed cell and tissue substrates, to demonstrate the intracellular presence of free or Ig-bound subunits of both kappa or lambda type. In general this conjugate is not recommended as direct or indirect screening reagent for Ig isotypes on surface membranes of vital lymphoid cells. The activity to the common Ig/Fab subunit may result in the staining of immunoglobulins bound to the Fc-receptors on non-lymphoid cells. Combinations of isotype-specific reagents should be used instead for this purpose. 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. Working dilutions are usually between 1:40 and 1:120.

Comment: Excitation/Emission wavelength: 494 nm/514 nm

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 -24 °C.

Concentration: 10 mg/mL

Buffer: FITC-coupled purified hyperimmune goat IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2).

Preservative: Without preservative

Handling Advice: Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again

## Handling

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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.

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Storage: 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 -24 °C.