

Datasheet for ABIN457758

Goat anti-Guinea Pig IgG1 Antibody (FITC)[Go to Product page](#)

Overview

Quantity:	1 mL
Target:	IgG1
Reactivity:	Guinea Pig
Host:	Goat
Clonality:	Polyclonal
Conjugate:	FITC
Application:	Immunofluorescence (IF)

Product Details

Immunogen:	Pools of highly purified homogenous IgG1 isolated from guinea pig serum. 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 subclass IgG1.
Characteristics:	Fluorochrome/IgG protein molar ratio (F/P) is approximately 1.8.
Purification:	Undesired traces of antibody activity are eliminated by immunoaffinity chromatography as required. Hyperimmune antisera with strong precipitating activity are selected for fractionation by salt-precipitation and purification of the IgG fraction by DEAE-chromatography.

Target Details

Target:	IgG1
Abstract:	IgG1 Products

Target Details

Target Type: Antibody

Application Details

Application Notes: To identify and measure IgG1, antigen or antibody, at the cellular and subcellular level by immuno-fluorescence staining of appropriately treated cell and tissue substrates, and to demonstrate circulating antibodies in serodiagnostic microbiology and autoimmune diseases, to identify a specific antigen or immune complex using a reference antibody of guinea pig origin in the middle layer of the indirect test procedure. 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 1:20 and 1:80.

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

Restrictions: For Research Use only

Handling

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: Fluorochrome-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 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.

Storage: 4 °C/-20 °C

Storage Comment: The lyophilized conjugate is shipped at ambient temperature and may be stored at +4 °C, prolonged storage at or below -24 °C.