FITC Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: G-148-C

DESCRIPTION

Specificity	Detects Fluorescein Isothiocyanate (FITC) in direct ELISAs. In direct ELISAs, nocross-reactivity with Alexa Fluor® 488, Alexa Fluor® 594, Alexa Fluor® 647,Alexa Fluor® 700, Alexa Fluor® 750, NorthernLights™ NL493, NorthernLights™ 557,and NorthernLights™ 637 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	FITC-KLH (Fluorescein-isothiocyanate-coupled Keyhole Limpet Hemocyanin)
Formulation	Lyophilized from a 0.2 μm filtered solution in NaH_2PO_4, NaCl and Sodium Azide with Trehalose. See Certificate of Analysis for details.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

PREPARATION AND STORAGE

Reconstitution	Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/mL
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Fluorescein isothiocyante (FITC) is a derivative of fluorescein modified with an isothiocyanate reactive group (-N=C=S). FITC is often used to label antibodies for immunofluorescent cytochemistry and histochemistry. FITC can be also conjugated to proteins and RNA and DNA probes because such conjugation does not impair biological activity of these molecules. In some experimental setups FITC fluorescence may need to be enhanced, which is done by employing anti-FITC antibodies conjugated either to FITC or other fluorophores with similar excitation and emission spectra.

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