



[Go to Product page](#)

Datasheet for ABIN101267

Goat anti-Guinea Pig IgG (Heavy & Light Chain) Antibody (FITC) - Preadsorbed

Overview

Quantity:	2 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Guinea Pig
Host:	Goat
Clonality:	Polyclonal
Conjugate:	FITC
Application:	Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Guinea Pig IgG whole molecule
Isotype:	IgG
Specificity:	IgG (H&L)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	Preadsorption: immunoaffinity chromatography using Guinea Pig IgG coupled to agarose beads
Labeling Ratio:	3.4

Target Details

Target:	IgG
---------	-----

Target Details

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Synonyms: goat Anti-Guinea Pig IgG Antibody fluorescein Conjugation, goat Anti-Guinea Pig IgG FITC Conjugated antibody

Background: Anti-Guinea Pig IgG Fluorescein Antibody generated in goat detects guinea pig IgG. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 % of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsinization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.

Application Details

Application Notes: Application Note: This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.

FLISA Dilution: 1:10,000 - 1:50,000

Flow Cytometry Dilution: 1:500 - 1:2,500

IF Microscopy Dilution: 1:1,000 - 1:5,000

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

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 1.0 mL

Reconstitution Buffer: Restore with deionized water (or equivalent)

Concentration: 2.0 mg/mL

Handling

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Handling Advice: Product is photosensitive and should be protected from light.

Storage: RT, 4 °C, -20 °C

Expiry Date: 12 months