



RABBIT ANTI-GOAT IGG ANTIBODY (H+L), AMCA

SKU: CI-5000-1.5



DESCRIPTION

AMCA Rabbit Anti-Goat IgG Antibody can be used for immunofluorescence and other applications. Optimal F/P ratios have been established for each conjugate to ensure maximum fluorescence with minimal background staining.

Features:

- Suitable for use with goat, sheep, and bovine IgG primary antibodies
- Recognizes both heavy and light chains (H+L)
- Optimally labeled with AMCA to provide the brightest label for fluorescence microscopy
- Supplied in solution
- Excitation: 350 nm
- Emission: 450 nm
- Color: Blue

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



SPECIFICATIONS

Color of Fluorescence Blue

Format Concentrate

Formulation 10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide.

Maximum Emission 448-454 nm.

Maximum Excitation 345-355 nm

Unit Size 1.5 mg

Storage Instructions 2-8 °C

Usage Summary

The recommended concentration range for use is 5-20 µg/ml. If this antibody is to be used in tissues which may contain cross-reacting endogenous immunoglobulins, dilution of this antibody may be made in buffers containing 2% normal serum from the same species as the tissue.

Applications

Immunofluorescence, In situ hybridization, Flow Cytometry/Cell Separation

Target Species Goat

Concentration 1.5 mg active conjugate/ml

Conjugate AMCA

Reactive Species Rabbit

Source Species Goat

Host Species Rabbit

TECHNICAL INFORMATION

The rabbit anti-goat IgG antibodies are prepared by hyperimmunizing animals in a manner that produces high affinity antibodies. These are then purified by an affinity chromatography procedure designed to remove any low affinity antibodies which may be present. Cross-reactivities that are likely to interfere with specific labeling are removed by solid-phase adsorption techniques. The final product is then subjected to rigorous quality control assays including immunodiffusion, solid-phase enzyme immunoassays, gel electrophoresis and solid-phase binding assays. In preparing the labeled antibodies, great care is taken to ensure the maximum degree of labeling with no alteration in the specificity and affinity of the antibody. The labeled antibody then undergoes a further series of quality control assays, including immunohistochemical analysis.

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AMCA (7-amino-4-methylcoumarin-3-acetic acid) labeled Rabbit Anti-Goat IgG Antibody excites in the near ultraviolet (350 nm) and emits a visible bright blue fluorescence at about 450 nm. This antibody has been optimally labeled with AMCA to provide the brightest label for fluorescence microscopy.

The use of bovine products such as casein, serum, albumin or non-fat dry milk as blocking agents in ELISA or blot assays may produce a high background due to cross-reactivity of this antibody with bovine immunoglobulins that may be present. If this antibody is to be used in these applications, blocking with Animal-Free Blocker[®] solution (Cat. No. SP-5030) is recommended.

DOCUMENTS

- [Safety Data Sheet](#)
- [Download CoA](#)
- [Datasheet](#)

GALLERY IMAGES



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