



CERTIFICATE OF ANALYSIS

Product AMCA ANTI-GOAT IgG (H+L)
AFFINITY PURIFIED

Catalog No. CI-5000

Amount 1.5 mg active conjugate

Lot No. Y1011

Produced in rabbit

Concentration 1.5 mg/ml active conjugate

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

Free-Fluorochrome None

F/P (molar) 9.5

Maximum Excitation @ 345-355 nm

Maximum Emission @ 448-454 nm

Storage Conditions Refrigerate in the dark.

Antibody Activity (by solid phase IgG binding assay) 87%

Solid-phase enzyme immunoassay of cross-reactivity:

<u>Protein</u>	<u>Percent Cross-reactivity</u>
sheep IgG	50%
bovine IgG	25%
goat IgM, sheep IgM	12%
bovine IgM	6%
cat IgG, guinea pig IgG, horse IgG, mouse IgG	3%
dog IgM, hamster IgG, rat IgG, Rhesus monkey IgG	1%
chicken IgG, dog IgG, guinea pig IgM, human IgG, human IgM, mouse IgM, rat IgM, swine IgG, swine IgM	<1%

If this fluorochrome-labeled 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.

Important Note: 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 anti-goat IgG 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.

The recommended concentration range for use is 5-20 µg/ml.