



## CERTIFICATE OF ANALYSIS

Product AMCA ANTI-GOAT IgG (H+L)  
\*\*AFFINITY PURIFIED\*\*  
Catalog No. CI-5000  
Amount 1.5 mg active conjugate  
Lot No. ZE0328  
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) 11  
Maximum Excitation @ 345-355 nm  
Maximum Emission @ 448-454 nm  
Storage Conditions Refrigerate in the dark.  
Antibody Activity (by solid phase IgG binding assay) 90%  
Solid-phase enzyme immunoassay of cross-reactivity:

| <u>Protein</u>  | <u>Percent Cross-reactivity</u> |
|---|---------------------------------|
| shcpc 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,<br>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.