



CERTIFICATE OF ANALYSIS

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

Catalog No. FI-5000

Amount 1.5 mg active conjugate

Lot No. Y1120

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

Maximum Excitation @ 490-500 nm

Maximum Emission @ 510-520 nm

F/P (molar) 4.9

Storage Conditions Refrigerate in the dark.

Solid-phase enzyme immunoassay of cross-reactivity:

| <u>Protein</u> | <u>Percent Cross-reactivity</u> |
|--|---------------------------------|
| sheep IgG | 100% |
| bovine IgG | 50% |
| sheep IgM | 25% |
| goat IgM | 12% |
| guinea pig IgG, swine IgG | 6% |
| bovine IgM | 3% |
| cat IgG, rat IgG, Rhesus monkey IgG | 1% |
| chicken IgG, dog IgG, dog IgM, guinea pig IgM, hamster IgG, horse IgG, human IgG, human IgM, mouse IgG, mouse IgM, rat IgM, swine IgM | <1% |

If this fluorescein-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.