



CERTIFICATE OF ANALYSIS

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

Catalog No. PI-9500

Amount 1 mg active conjugate

Lot No. ZF1209

Produced in horse

Concentration 1 mg/ml active conjugate

Solution 10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.05% thimerosal

Molar ratio of active conjugate $\frac{\text{Moles of HRP}}{\text{Moles of Antibody}} = \underline{3.3}$

Storage Conditions Refrigerate; DO NOT FREEZE

Remarks: Do not use sodium azide with this product since it is an inhibitor of horseradish peroxidase.

Solid-phase enzyme immunoassay of cross-reactivity:

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

If this peroxidase-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.

Recommended diluent for microtitration plate assays: 10 mM phosphate, 0.15 M NaCl, pH 7.5, 0.1% Tween 20. Working concentration of HRP-anti goat IgG is 0.5-5.0 µg/ml.