



## CERTIFICATE OF ANALYSIS

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

Catalog BA-5000

Amount 1.5 mg biotinylated IgG

Concentration 1.5 mg/ml

Lot No. ZG0511

Produced in rabbit

Solution 10 mM phosphate, pH 7.8, 0.15 M NaCl, 0.08% sodium azide. Immunohistochemical grade bovine serum albumin has been added for stabilization.\*

Storage Refrigerate; for long-term storage, aliquots may be stored frozen.

Immunoglobulin biotinylated 99.7%

Antibody activity after biotinylation (by solid phase IgG binding assay) 93%

Solid-phase enzyme immunoassay of cross-reactivity:

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

If this biotinylated antibody is to be used in tissues, which may contain cross-reacting endogenous immunoglobulins, dilution of this biotinylated 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.

\* This product has the same concentration as that provided in the VECTASTAIN® ABC kits. The recommended concentration range for use is 2-10 µg/ml.