



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. **ZA0425**

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%**

Antibody activity after biotinylation (by solid phase IgG binding assay) **92%**

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.