



CERTIFICATE OF ANALYSIS

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

Catalog No. BA-9500

Amount 1.5 mg biotinylated IgG

Concentration 1.5mg/ml

Lot No. Y0423

Produced in horse*

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) 98%
Solid-phase enzyme immunoassay of cross-reactivity:

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

The recommended concentration range for use is 2-10 µg/ml.

***NOTE: THIS PRODUCT IS NOT THE SAME AS THAT CONTAINED IN THE VECTASTAIN® ABC KITS FOR THE DETECTION OF GOAT IgG.**