



## CERTIFICATE OF ANALYSIS

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

Catalog No. BA-4000

Amount 1.5 mg biotinylated IgG

Concentration 1.5 mg/ml

Lot No. ZC0727

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) 94%

Solid-phase enzyme immunoassay of cross-reactivity:

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

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