



CERTIFICATE OF ANALYSIS

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

Catalog BA-6000

Amount 1.5 mg biotinylated IgG

Lot No. ZG0227

Concentration 1.5 mg/ml

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>
bovine IgG, goat IgG	50%
sheep IgM	6%
bovine IgM, goat IgM	3%
guinea pig IgG, horse IgG	1%
cat IgG, chicken IgG, dog IgG, dog IgM, hamster 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 is at the same concentration as that provided in the VECTASTAIN® ABC kits. The recommended concentration range for use is 2-10 µg/ml.