



CERTIFICATE OF ANALYSIS

Product **BIOTINYLATED ANTI-HUMAN IgM (mu-chain specific)**
****AFFINITY PURIFIED****

Catalog BA-3020

Amount 0.5 mg biotinylated immunoglobulin

Concentration 0.5mg/ml

Lot No. ZE1113

Produced in goat

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 97%

Antibody activity after biotinylation (by solid phase IgG binding assay) 89%

Solid-phase enzyme immunoassay of cross-reactivity:

<u>Protein</u>	<u>Percent Cross-reactivity</u>
rabbit IgM, swine IgM	25%
rat IgM	12%
guinea pig IgG	6%
mouse IgM	3%
dog IgM	1%
bovine IgG, bovine IgM, cat IgG, dog IgG, hamster IgG, horse IgG, human IgG, mouse IgG, rabbit IgG, rat IgG Rhesus monkey IgG, sheep IgG, sheep IgM, swine IgG	<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 is the same solution as that provided in the VECTASTAIN[®] ABC kits. The recommended concentration range for use is 2-10 µg/ml.