



CERTIFICATE OF ANALYSIS

Product PEROXIDASE ANTI-RAT IgG (H+L)
AFFINITY PURIFIED

Catalog No. PI-9400

Amount 1 mg active conjugate

Lot No. ZG0616

Produced in goat

Concentration 1 mg/ml active conjugate

Solution 10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.05% thimerosal

Molar ratio of active conjugate $\frac{\text{Moles of HRP}}{\text{Moles of Antibody}} = 3.3$

Storage Conditions Refrigerate; DO NOT FREEZE

Remarks: Do not use sodium azide with this product since it is an inhibitor of horseradish peroxidase.

Solid-phase enzyme immunoassay of cross-reactivity:

<u>Protein</u>	<u>Percent Cross-reactivity</u>
rat IgM	50%
hamster IgG, mouse IgM	25%
horse IgG, mouse IgG, swine IgG	6%
cat IgG, dog IgG, guinea pig IgG, Rhesus monkey IgG	3%
bovine IgG, chicken IgG, human IgG, human IgM, rabbit IgG, rabbit IgM, sheep IgG, sheep IgM, swine IgM	<1%

If this peroxidase-labeled antibody is to be used in tissues which may contain cross-reacting endogenous immunoglobulins, dilution of this antibody may be made in buffers containing 2% normal serum from the same species as the tissue.

Recommended diluent for microtitration plate assays: 10 mM phosphate, 0.15 M NaCl, pH 7.5, 0.1% Tween 20. Working concentration of HRP-anti rat IgG is 0.5-5.0 µg/ml.