

Anti-Human IgG Enzyme Labeled Antibodies

Caution: For Laboratory Use. A product for research purposes only

Anti-Human IgG (Goat), AP-Labeled NEF801001EA **Anti-Human IgG (Goat), HRP-Labeled NEF802001EA**

Storage Conditions

These products should be stored refrigerated at + 4°C.

Product Description

These antibodies were affinity purified from goat serum immunized with purified human IgG. Labeling with alkaline phosphatase (AP) was carried out utilizing a modified glutaraldehyde procedure. Labeling with horseradish peroxidase (HRP) was done using a periodate method. The molar enzyme/antibody protein ratio is 3.0 for NEF801001EA and 4.0 for NEF802001EA. Each enzyme conjugate contains 1 mg of affinity purified antibody at 1 mg/ml.

These products are tested by immunoelectrophoresis, gel diffusion and ELISA techniques. They react specifically with human IgG and may recognize other immunoglobulin types that have light chains in common with IgG. Antibodies to human IgG may cross react with the immunoglobulins of other mammalian species if common binding sites are shared. No antibody is detectable to non-immunoglobulin serum components.

Performance Characteristics

Different assay conditions require that serial dilutions of all reagents be performed to determine optimal working concentrations. Prepare working dilution immediately before use. Storage at a working dilution may result in enzyme inactivation and performance loss. Suggested starting dilutions are as follows:

Microwell Plate Immunoassays:	1:1,000 (1.0 µg/ml) for 1.0 mg/ml vial
Membrane Immunoassays:	1:5,000 (0.2 µg/ml) for 1.0 mg/ml vial
Histo/Cytochemical Procedures:	1:200 (5.0 µg/ml) for 1.0 mg/ml vial

NEF802001EA may be used in slide or membrane-based immunoassays as part of Tyramide Signal Amplification (TSA), in which tyramide linked detector molecules are deposited by HRP.

Stability

NEF801001EA: Bovine serum albumin added as a protein stabilizer. This product is stable for a minimum of one year at 4°C.

NEF802001EA: Bovine serum albumin added as protein stabilizer. Do not use sodium azide in diluents. This product is stable for a minimum of one year at + 4°C. Caution: Horseradish peroxidase is inactivated in the presence of hydrogen peroxide by reacting irreversibly with certain pollutants common in laboratory water supplies. If this product fails to perform as expected check water supply for enzyme inactivation.

Hazard Warning

This product is considered to be non-hazardous. Although the product is classified as nonhazardous, we strongly recommend using prudent laboratory practices: Avoid unnecessary contact, use of gloves, eye protection, lab coats, etc. when using this or any laboratory reagent.

PerkinElmer, Inc.
549 Albany Street
Boston, MA 02118 USA
P: (800) 762-4000 or (+1) 203-925-4602
www.perkinelmer.com/nenradiochemicals

For a complete listing of our global offices, visit www.perkinelmer.com/ContactUs

Copyright ©2010, PerkinElmer, Inc. All rights reserved.

PerkinElmer® is a registered trademark of PerkinElmer, Inc.

All other trademarks are the property of their respective owners.

