

Product Data Sheet

Goat Anti-Biotin IgG-Peroxidase (HRP) conjugate

Cat #. 20361 **Goat Anti-Biotin IgG-Peroxidase (HRP) conjugate** **Size:** 0.5 ml **Form:** Liquid

Cat #. 20362 **Goat Anti-Biotin IgG-Alk- Phos. (AP) conjugate** **Size:** 0.5 ml **Form:** Liquid

Storage: Store at 4°C

Description

Goats were immunized with biotin-KLH conjugate. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography on biotin-agarose. Purified antibodies was labeled with highly purified preparation of horse radish peroxidase by periodate method.

Form and Storage

#20361, HRP Conjugate

The conjugate is provided as liquid in a peroxidase stabilizing buffer containing 0.2% BSA and 0.01% merthiolate as preservative. The product should be stored at 4°C and is stable for 6-12 months. Do not store diluted solutions. Sodium azide, an inhibitor of peroxidase, must not be added in any buffers exposed to peroxidase.

20362, AP-conjugate

The conjugate is provided at ~0.5-1 mg/ml as liquid in a stabilizing buffer (50 mM Tris-150 mM NaCl-1 mM MgCl₂, pH 7.5, containing 1% bovine serum albumin, 0.05% sodium azide and 50% glycerol). The product should be **stored at 4°C** and is stable for a minimum of 1 year. Do not store diluted solutions.

Purity/Specificity

The conjugate contains affinity pure antibody at approximately 0.5 mg/ml. The molar enzyme to protein (E/P) ratio = 4.0.

Specificity has been tested using IEP, immunodiffusion, and ELISA. Anti-biotin antibodies react with Biotin-KLH or Biotin-BSA conjugate. No significant reactivity is seen with free KLH or BSA. The antibody may recognize biotin conjugated to other proteins.

Recommended Working Dilution for ELISA

Working dilution for the specific application should be determined by the investigator to obtain the best conditions. However, dilution of 1:1000 - 1:10,000 should be tested and adjusted according to the application.

Working solution should be prepared immediately before use and diluted solution should be discarded.

Related Material available for ADI

Single solution, ready to use, TMB substrates for Blotting & ELISA

Anti-Goat, Mouse, Human, Goat, Chicken IgG-HRP conjugates

StainAll reversible dye for Immunoblotting (visualize transfer of proteins on blotting membranes within seconds)

Western blot recycling kit (Use the same blot/strip to probe with multiple antibodies) **Strip Antibodies in 5 minutes** (no heating or mercaptoethanol)

Chemiluminescence Substrates and Western blot kits (save by complete kit that includes Anti-Goat IgG-HRP conjugate, blocking buffer, wash buffer, and Chemiluminescence Substrates for processing 15-30 std size blots).

This product is considered non-hazardous as defined by OSHA (CFR 1910.1200, Nov 25, 1983). It can be disposed of in the drain.

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