

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 MgCl<sub>2</sub>, 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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