

Product Data Sheet

Anti-Bird (duck, sparrow, dove, and chicken; turkey, ostrich, emu, quail, macaw and cockatiel) IgG (H+L) Antibodies

|                   |   |                     |                      |        |
|-------------------|---|---------------------|----------------------|--------|
| <b>Cat#</b> 90519 | Goat Anti-Bird IgG (H+L), unlabeled       | <b>Size:</b> 0.5 mg | <b>Form:</b> Liquid; | Powder |
| <b>Cat#</b> 90520 | Goat Anti-Bird IgG (H+L)-HRP conjugate    | <b>Size:</b> 0.5 ml | <b>Form:</b> Liquid; | Powder |
| <b>Cat#</b> 90530 | Goat Anti-Bird IgG (H+L)-FITC conjugate   | <b>Size:</b> 0.5 ml | <b>Form:</b> Liquid; | Powder |
| <b>Cat#</b> 90540 | Goat Anti-Bird IgG (H+L)-Biotin conjugate | <b>Size:</b> 0.5 ml | <b>Form:</b> Liquid; | Powder |

**Description**

Goats were immunized with antigen grade **Bird IgG's (dove, duck, sparrow, and chicken)**. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography to remove non-specific antibodies. Specificity of antibody has been tested using IEP, immunodiffusion, and ELISA. The product reacts with Birds Ig's from several species (duck, sparrow, dove, and chicken; turkey, ostrich, emu, quail, macaw and cockatiel Ig's also displayed significant reactivity). No significant reactivity was observed with other serum proteins. The antibody may recognize other species IgG (H+L or IgA, IgG, IgM etc)). Purified anti-Bird IgG (H+L) antibody is supplied as unlabeled or conjugated to Biotin, FITC, or HRP.

**Form and Storage**

**Cat# 90519, Anti-Bird IgG (H+L), unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (0.5 mg) or **liquid** form (0.5 mg/ml). Reconstitute powder in PBS in 1.0 ml to prepare 0.5 mg/ml solution. Store at -20°C in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 90520, Anti-Bird IgG (H+L)-HRP-conjugate**

Purified antibody was coupled to HRP (RZ>3.0) using periodate method. The molar enzyme to protein (E/P) ratio = 4.0. The antibody is supplied in stabilizing buffer, 0.1% proclin-300 as preservative in either **lyophilized** (0.5 ml) or **liquid** form (0.5 ml; 0.5-1 mg/ml). Reconstitute powder in PBS in 1 ml. Store at 4°C in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:1,000-1:10,000 ELISA, 1:1K-1:5K for western, and 1:200-1:1000 (IHC).

**Cat# 90530, Anti-Bird IgG (H+L)-FITC-conjugate**

Purified anti-Bird IgG (H+L) antibody was coupled to FITC at F/P ratio ~3:7. The antibody is supplied in PBS, pH 7.4, 0.2% BSA and 0.05% azide in either **lyophilized** (0.5 ml) or **liquid** form (0.5 mg/0.5 ml). Reconstitute powder in PBS in 0.5 ml to prepare 1 mg/ml solution. Store at -20°C in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:200-1:2000 for immunofluorescence.

**Absorption** Wavelength: 495 nm

**Emission** Wavelength: 528 nm

**Cat# 90540, Anti-Bird IgG (H+L)-Biotin-conjugate**

Purified antibody was coupled to Biotin using ADI Biotinylation kit # 80300 at F/P ratio ~10-20:1. The antibody is supplied in PBS, pH 7.4, 0.2% BSA and 0.05% azide in either **lyophilized** (0.5 mg) or **liquid** form (0.5 mg/0.5 ml). Reconstitute powder in PBS in 0.5 ml to prepare 1 mg/ml solution. Store at -20°C in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:5,000-1:30,000 ELISA, 1:2K-1:10K for western.

**Recommended Working Dilution for ELISA**

Working dilution for the specific application should be determined by the investigator to obtain the best conditions. Working solution should be prepared immediately before use and diluted solution should be discarded.

**Related Material available for ADI**

**Bird IgG, IgM ELISA kits**

Anti-Bird IgG (H+L), IgG, IgG (H+L), IgG (H+L) antibodies and conjugates

ELISA kits for the detection of Bird Antibodies

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

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