



Product Data Sheet

**Anti-Dog IgG (H+L) antibodies and conjugates**

<input type="checkbox"/> <b>Cat#</b> 30821-A	Goat Anti-Dog IgG (H+L), unlabeled	<b>Size:</b> 0.5 ml
<input type="checkbox"/> <b>Cat#</b> 30821-F	Goat Anti-Dog IgG (H+L)-FITC conjugate	<b>Size:</b> 0.5 ml
<input type="checkbox"/> <b>Cat#</b> 30821-HP	Goat Anti-Dog IgG (H+L)-HRP conjugate	<b>Size:</b> 0.5 ml

**Description**

Goats were immunized with antigen grade Dog IgG (H+L). Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography. Purified anti-Dog IgG (H+L) antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP or HRP.

Specificity of antibodies has been tested using IEP, immunodiffusion, and ELISA. The antibodies yielded a single precipitin arc against Dog serum, and Dog IgG. No antibody reactivity is detected to other Dog serum proteins, IgM, IgA. Anti-Dog IgG (H+L) may crossreact with IgG from other species.

**Form and Storage**

**Cat# 30821-A, Anti-Dog IgG (H+L), unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** or **liquid** form (0.5). Reconstitute powder in PBS in 0.5 ml. Antibody concn is typically 1 mg/ml. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 30821-HP, Anti-Dog 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 (0.5-1 mg/ml). Reconstitute powder in PBS in 0.5 ml water. Store at 4oC 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# 30821-F, Anti-Dog IgG (H+L)-FITC-conjugate**

Purified anti-Dog 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** or **liquid** (0.5 mg/0.5 ml) form. Reconstitute powder in PBS in 0.5 ml to prepare 1 mg/ml solution. Store at -20oC 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

**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**

**Dog IgG, IgM, IgA ELISA kits**

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

ELISA kits for the detection of Dog Antibodies

30821

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