

Product Data Sheet

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

<b>Cat#</b> 30360	Goats Anti-Dog IgG (H+L), unlabeled	<b>Size:</b> 1 mg	<b>Form:</b> Liquid; Powder
<b>Cat#</b> 30361	Goats Anti-Dog IgG (H+L)-HRP conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid; Powder
<b>Cat#</b> 30362	Goats Anti-Dog IgG (H+L)-Alk. Phos. (AP) conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid; Powder
<b>Cat#</b> 30363	Goats Anti-Dog IgG (H+L)-FITC conjugate	<b>Size:</b> 1 mg	<b>Form:</b> Liquid; Powder
<b>Cat#</b> 30364	Goats Anti-Dog IgG (H+L)-Biotin conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid; Powder

**Description**

Goats were immunized with antigen grade **Dog IgG (H+L)**. 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 Dog IgG, IgA and IgM with no significant reactivity with other serum proteins. The antibody may recognize other species IgG (H+L or IgA, IgG, IgM etc). Purified anti-Dog IgG (H+L) antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP or HRP.

**Form and Storage**

**Cat# 30360, Anti-Dog IgG (H+L), unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (1.0 mg) or **liquid** form (1 mg/ml). Reconstitute powder in PBS in 1.0 ml to prepare 1 mg/ml solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 30361, 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% prolcin-300 as preservative in either **lyophilized** (0.5 ml) or **liquid** form (0.5-1 mg/ml). Reconstitute powder in PBS in 1 ml. 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# 30362, 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.

**Cat# 30363, 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** (1 mg/ml) or **liquid** form (1 mg/ml). 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

**Cat# 30364, Anti-Dog IgG (H+L)-Biotin-conjugate**

Purified anti-Dog IgG (H+L) antibody was coupled to Biotin using Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) 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 -20oC 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**

**Dog IgG,, IgM ELISA kits**

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

ELISA kits for the detection of Dog Antibodies

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

30360, 30361, 30362, 30363, 30364

70721A

**India Contact:**

**Life Technologies (India) Pvt. Ltd.**

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444  
Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com) Website: [www.lifetechindia.com](http://www.lifetechindia.com)