



Product Data Sheet

**Anti-Dog IgG (Fc) antibodies and conjugates**

|                   |   |                     |                     |        |
|-------------------|---|---------------------|---------------------|--------|
| <b>Cat#</b> 30370 | Goat Anti-Dog IgG (Fc), unlabeled       | <b>Size:</b> 1 mg   | <b>Form:</b> Liquid | Powder |
| <b>Cat#</b> 30371 | Goat Anti-Dog IgG (Fc)-HRP conjugate    | <b>Size:</b> 0.5 ml | <b>Form:</b> Liquid | Powder |
| <b>Cat#</b> 30372 | Goat Anti-Dog IgG (Fc)-AP conjugate     | <b>Size:</b> 0.5 ml | <b>Form:</b> Liquid | Powder |
| <b>Cat#</b> 30373 | Goat Anti-Dog IgG (Fc)-FITC conjugate   | <b>Size:</b> 1 mg   | <b>Form:</b> Liquid | Powder |
| <b>Cat#</b> 30374 | Goat Anti-Dog IgG (Fc)-Biotin conjugate | <b>Size:</b> 0.5 ml | <b>Form:</b> Liquid | Powder |

**Description**

Goats were immunized with antigen grade Dog IgG (Fc)-fragment. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography. Purified anti-Dog IgG (Fc) 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, Dog IgG, and Fc-fragment. No antibody reactivity is detected to other Dog serum proteins, IgM, IgA or F(ab)2. Anti-Dog IgG (Fc) may crossreact with Fc-fragment from other species.

**Form and Storage**

**Cat# 30370, Anti-Dog IgG (Fc), 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# 30371, Anti-Dog IgG (Fc)-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# 30372, Anti-Dog IgG (Fc),-AP-conjugate**

The conjugate is provided at ~0.5-1 mg/ml as liquid in a stabilizing buffer (50 mM HEPES pH 7.1, 0.1 M NaCl, 1 mM MgCl2, 0.1 mM ZnCl2, pH 7.5, containing 0.2% bovine serum albumin, 0.05% sodium azide). The product should be **stored at 4°C** and is stable for a minimum of 1 year. Do not store diluted solutions.

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

**Cat# 30373, Anti-Dog IgG (Fc)-FITC-conjugate**

Purified anti-Dog IgG (Fc) 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) or **liquid** (1 mg/ml) form. 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.

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

**Absorption Wavelength:** 495 nm

**Emission Wavelength:** 528 nm

**Cat# 30374, Anti-Dog IgG (Fc)-Biotin-conjugate**

Purified anti-Dog IgG (Fc) 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, 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

30370, 30371, 30373, 30374, 30372 70917A