

Product Data Sheet

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

<input type="checkbox"/> Cat# 30821-A	Goat Anti-Dog IgG (H+L), unlabeled	Size: 0.5 ml
<input type="checkbox"/> Cat# 30821-F	Goat Anti-Dog IgG (H+L)-FITC conjugate	Size: 0.5 ml
<input type="checkbox"/> Cat# 30821-HP	Goat Anti-Dog IgG (H+L)-HRP conjugate	Size: 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 130328A

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