ALPHA DIAGNOSTIC INTERNATIONAL

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Product Data Sheet

Anti-G. Pig IgG (H+L) Antibodies and conjugates

Cat# 50324	Goat Anti-G. Pig IgG (H+L), unlabeled	**Size**: 1 mg	**Form**:	Liquid; Powder
Cat# 50325	Goat Anti-G. Pig IgG (H+L)-HRP conjugate	**Size**: 1 ml	**Form**:	Liquid; Powder
Cat# 50330	Goat Anti-G. Pig IgG (H+L)-FITC conjugate	**Size**: 0.5 ml	**Form**:	Liquid; Powder
Cat# 50329	Goat Anti-G. Pig IgG (H+L)-Biotin conjugate	**Size**: 0.5 ml	**Form**:	Liquid; Powder
Cat# 50355	Goat Anti-G. Pig IgG (H+L)-AP conjugate	**Size**: 0.5 ml	**Form**:	Liquid; Powder

Description

Goats were immunized with antigen grade **G. Pig 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 G. Pig 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-G. Pig IgG (H+L) antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP or HRP.

Form and Storage

Cat# 50324, Anti-G. Pig 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# 50325, Anti-G. Pig 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** (1 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# 50330, Anti-G. Pig IgG (H+L)-FITC-conjugate

Purified anti-G. Pig 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 -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# 50329, Anti-G. Pig IgG (H+L)-Biotin-conjugate

Purified anti-G. Pig 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.

Cat# 50355, AP-conjugate

The conjugate is provided at ~0.5 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).

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

G. Pig IgG, IgM ELISA kits

Anti-G. Pig IgG (H+L), IgG, IgG (H+L), IgG (H+L) antibodies and conjugates

ELISA kits for the detection of G. Pig 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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