



Genemed Synthesis, Inc.  
6203 Wood Lake Center Dr., Bldg. 2, San Antonio, TX 78244, USA  
Toll free (800) 344-5337; Phone: (210) 745-5988; Fax (210) 745-5992  
Email: [info@genemedsyn.com](mailto:info@genemedsyn.com), Website: [www.genemedsyn.com](http://www.genemedsyn.com)

Product data sheet

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

<b>Cat#</b> SA-50324	Goat Anti-G. Pig IgG (H+L), unlabeled	<b>Size:</b> 1 mg	<b>Form:</b> Liquid; Powder
<b>Cat#</b> SA-50325	Goat Anti-G. Pig IgG (H+L)-HRP conjugate	<b>Size:</b> 1 ml	<b>Form:</b> Liquid; Powder
<b>Cat#</b> SA-50330	Goat Anti-G. Pig IgG (H+L)-FITC conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid; Powder
<b>Cat#</b> SA-50329	Goat Anti-G. Pig IgG (H+L)-Biotin conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid; Powder
<b>Cat#</b> SA-50355	Goat Anti-G. Pig IgG (H+L)-AP conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> 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# SA-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 -20°C in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# SA-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% proclin-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 4°C 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# SA-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 -20°C 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# SA-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 -20°C 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# SA-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 MgCl<sub>2</sub>, 0.1 mM ZnCl<sub>2</sub>, 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 GSI**

**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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