

Product Data Sheet

**Anti-G. Pig IgG (Fc) antibodies and conjugates**

|                   |  |                     |                     |        |
|-------------------|--|---------------------|---------------------|--------|
| <b>Cat#</b> 50219 | Goat Anti-G. Pig IgG (Fc), unlabeled       | <b>Size:</b> 1 mg   | <b>Form:</b> Liquid | Powder |
| <b>Cat#</b> 50220 | Goat Anti-G. Pig IgG (Fc)-HRP conjugate    | <b>Size:</b> 1 ml   | <b>Form:</b> Liquid | Powder |
| <b>Cat#</b> 50230 | Goat Anti-G. Pig IgG (Fc)-FITC conjugate   | <b>Size:</b> 0.5 ml | <b>Form:</b> Liquid | Powder |
| <b>Cat#</b> 50240 | Goat Anti-G. Pig IgG (Fc)-Biotin conjugate | <b>Size:</b> 0.5 ml | <b>Form:</b> Liquid | Powder |

**Description**

Goats were immunized with antigen grade G. Pig IgG (Fc)-fragment. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography. Purified anti-G. Pig IgG (Fc) antibody is supplied as unlabeled or conjugated to Biotin, FITC, or HRP.

Specificity of antibodies has been tested using IEP, immunodiffusion, and ELISA. The antibodies yielded a single precipitin arc against G. Pig serum, G. Pig IgG, and Fc-fragment. No antibody reactivity is detected to other G. Pig serum proteins, IgM, IgA or F(ab)<sub>2</sub>. Anti-G. Pig IgG (Fc) may crossreact with Fc-fragment from other species.

**Form and Storage**

**Cat# 50219, Anti-G. Pig IgG (Fc), unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (1 mg) or **liquid** form (1 mg/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.

**Cat# 50220, Anti-G. Pig IgG (Fc)-HRP-conjugate**

Purified antibody was coupled to HRP (RZ>3.0) using periodate method. The molar enzyme to protein (E/P) G. Pig = 4.0. The antibody is supplied in stabilizing buffer, 0.1% proclin-300 as preservative in either **lyophilized** 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).

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

**Cat# 50230, Anti-G. Pig IgG (Fc)-FITC-conjugate**

Purified anti-G. Pig IgG (Fc) antibody was coupled to FITC at F/P G. Pigio ~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# 50240, Anti-G. Pig IgG (Fc)-Biotin-conjugate**

Purified anti-G. Pig IgG (Fc) antibody was coupled to Biotin using Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) at F/P G. Pigio ~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.

**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, IgA ELISA kits**

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

ELISA kits for the detection of G. Pig Antibodies

50219, 50220, 50230, 50240,

70225A