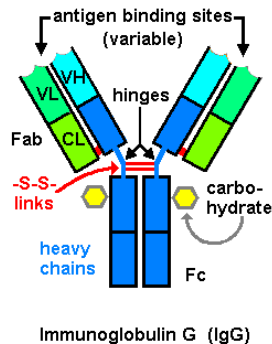


Product Data Sheet

**Anti-Pig IgG (Fc)-Antibodies and conjugates**

<b>Cat#</b> 90419	Rabbit Anti-Pig IgG (Fc), unlabeled	<b>Size:</b> 0.5 mg
<b>Cat#</b> 90420	Rabbit Anti-Pig IgG (Fc)-HRP conjugate	<b>Size:</b> 0.5 ml
<b>Cat#</b> 90430	Rabbit Anti-Pig IgG (Fc)-FITC labeled	<b>Size:</b> 0.5 ml
<b>Cat#</b> 90440	Rabbit Anti-Pig IgG (Fc)-Biotin labeled	<b>Size:</b> 0.5 ml



antibody known as the Fc (Fragment, crystallizable) region. Fc receptors bind to antibodies that are attached to infected cells or invading pathogens. Their activity stimulates phagocytic or cytotoxic cells to destroy microbes, or infected cells by antibody-mediated phagocytosis or antibody-dependent cell-mediated cytotoxicity.

Rabbits were immunized with antigen grade **Pig IgG (Fc)**. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography to remove non-specific antibodies. Purified anti-Pig IgG (Fc) is supplied as unlabeled IgG, HRP, FITC and Biotin-conjugate.

Specificity of antibody has been tested using IEP, immunodiffusion, and ELISA. The product reacts with Pig IgG (Fc) with no significant reactivity with Pig IgG (Fab2), IgM or other serum proteins. The antibody may recognize other species IgG (Fc).

**Form and Storage**

**Cat# 90419, unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (0.5 mg) or **liquid** form (0.5 mg/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.

**Cat# 90420, 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 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).

An Fc receptor is a protein found on the surface of certain cells – including, among others, B lymphocytes, follicular dendritic cells, natural killer cells, macrophages, neutrophils, eosinophils, basophils and mast cells – that contribute to the protective functions of the immune system. Its name is derived from its binding specificity for a part of an

**Cat# 90430, FITC-conjugate**

Purified anti-Pig IgG (Fc) antibody was coupled to FITC at F/P ratio ~4-5:1. 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# 90440, Biotin-conjugate**

Purified anti-Pig IgG (H+L) antibody was coupled to Biotin using ADI Biotinylation kit # 80300 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.

**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.

All products are for In vitro research use only.

**Related Material available for ADI**

Catalog#	Prod Description
90330	Anti-Pig IgG (H+L)-FITC conjugate (Swine-Porcine)
90340	Anti-Pig IgG (H+L)-Biotin conjugate (Swine-Porcine)
90419	Anti-Pig IgG (Fc), aff pure, unlabeled (Swine-Porcine)
90420	Anti-Pig IgG (Fc)-HRP Conjugate (Swine-Porcine)
90430	Anti-Pig IgG (Fc)-FITC Conjugate (Swine-Porcine)
90440	Anti-Pig IgG (Fc)-Biotin Conjugate (Swine-Porcine)
90320	Anti-Pig IgG (H+L)-HRP conjugate (swine/porcine)
90325	Anti-Pig IgG (H+L), aff pure, unlabeled (Swine-Porcine)

90419-Pig-IgG-FC-Conjugate 160218SV