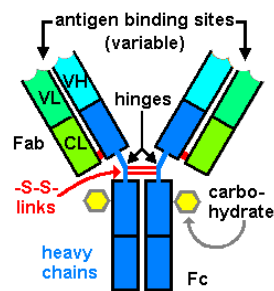


Product Data Sheet

**Bovine IgG Fc isotype controls and conjugates**

<input type="checkbox"/> #20004-3-UL	G. Pig IgG Fc unlabeled (isotype control, non-immune) purified	<b>Size:</b> 0.5 mg
<input type="checkbox"/> # 20004-3-B	G. Pig IgG Fc-Biotin conjugate (isotype control, non-immune) purified	<b>Size:</b> 0.1 mg
<input type="checkbox"/> # 20004-3-F	G. Pig IgG Fc-FITC conjugate (isotype control, non-immune) purified	<b>Size:</b> 0.1 mg
<input type="checkbox"/> # 20004-3-HP	G. Pig IgG Fc-HRP conjugate (isotype control, non-immune) purified	<b>Size:</b> 0.1 mg



Immunoglobulin G (IgG)

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 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

G. Pig IgG Fc-HRP conjugate (isotype control, non-immune) purified IgG Fc fragment was prepared from highly purified whole IgG. Purified IgG Fc produced no precipitin arc against rabbit anti-whole IgG or F(ab')<sub>2</sub>. Highly purified preparation of Bovine IgG Fc is supplied as unlabeled, HRP-, Biotin, FITC, and PE, Cy5 conjugates for use as isotype control or negative control for all mice monoclonal with IgG isotype.

**Form and Storage**

**Cat# 20004-3-UL, unlabeled IgG**

IgG is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (100 ug) or **liquid** form (1 mg/ml or see lot sp. concn on the vial). Reconstitute powder in PBS at 100 ug/ml or as desired. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw. Controls are typically tested at 0.1-1 ug/ml depending upon the application.

**Cat# 20004-3-B, Biotin-conjugate**

Purified G. Pig IgG Fc-HRP conjugate (isotype control, non-immune) purified IgG Fc 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, 1 % BSA in either **lyophilized** (50 tests per vial) or **liquid** form (50 tests/100 ul or see lot sp. concn on the vial). Reconstitute powder in PBS in 100 ul or more. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw. No preservatives have been added. Sodium azide (0.1%) or merthiolate (0.05%) can be added if necessary to prevent bacterial growth.

Suggested conjugate dilutions are 1:5,000-1:30,000 ELISA. For other applications use as needed.

**Cat# 20004-3-F, FITC-conjugate**

Purified G. Pig IgG Fc-HRP conjugate (isotype control, non-immune) purified IgG Fc was coupled to FITC at F/P ratio ~4-5:1. The antibody is supplied in PBS, pH 7.4, azide in either **lyophilized** (50 tests per vial) or **liquid** form (50 tests/500 ul or ~50 ug/vial). Reconstitute powder in PBS in 0.5 ml or as desired. Store at 4oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:50-1:500 for immunofluorescence or as optimized for a given test.

**Color:** Green  
**Absorption:** 495 nm      **Emission:** 528 nm

**Cat# 20004-3-HP, HRP-conjugate**

Purified G. Pig IgG Fc-HRP conjugate (isotype control, non-immune) purified IgG Fc 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** (50 tests per vial) or **liquid** form (50 tests/100 ul or approx. 50 ug/100ul). Reconstitute powder in PBS in 0.1 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).

**Related items from ADI**

Catalog#	Prod Description
20004-1 control)	G. Pig IgG, purified (non-immune, serum, Isotype control)
20004-2-1 control)	G. Pig IgM, purified (non-immune, serum, Isotype control)
20004-5-1 control)	G. Pig IgA, purified (non-immune, serum, Isotype control)
20004-B	G. Pig IgG-Biotin conjugate (isotype control)
20004-F	G. Pig IgG-FITC conjugate (isotype control)
20004-HP	G. Pig IgG-HRP conjugate (isotype control)
50219	Anti-G. Pig IgG (Fc), unlabeled, aff pure
50220	Anti-G. Pig IgG (Fc)-HRP conjugate
50230	Anti-G. Pig IgG (Fc)-FITC conjugate
50231	Anti-G. Pig IgG (H+L)-Rhodamine (TRITC) conjugate (adsorbed with other species)
50240	Anti-G. Pig IgG (Fc)-Biotin conjugate
50324	Anti-G. Pig (H+L) IgG, aff pure
50325	Anti-G. Pig (H+L)-HRP conjugate
50329	Anti-G. Pig (H+L) IgG-Biotin conjugate
50330	Anti-G. Pig IgG (H+L)-FITC conjugate
50355	Anti-G. Pig IgG (H+L)-Alk. Phosphatase conjugate
50356	Anti-G. Pig IgM, aff pure, unlabeled
50357	Anti-G. Pig IgM-HRP Conjugate

20004-3-con-G.pig-IgG-Fc 160205SV

**India Contact:**

**Life Technologies (India) Pvt. Ltd.**

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444  
Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com) Website: [www.lifetechindia.com](http://www.lifetechindia.com)