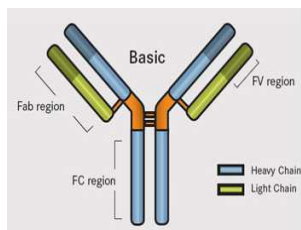


**Human IgG1 Isotype Control and Conjugates**

<input type="checkbox"/> <b>Cat# 20007-G1-1</b>	Human IgG1, Unlabeled	<b>Size:</b> 1 mg
<input type="checkbox"/> <b>Cat# 20007-G1-B</b>	Human IgG1-Biotin Conjugate	<b>Size:</b> 100 ug
<input type="checkbox"/> <b>Cat# 20007-G1-F</b>	Human IgG1-FITC Conjugate	<b>Size:</b> 100 ug
<input type="checkbox"/> <b>Cat# 20007-G1-H</b>	Human IgG1-HRP Conjugate	<b>Size:</b> 100 ug



Immunoglobulin G (IgG) is a type of antibody. It is a protein complex composed of four peptide chains—two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. Each IgG has two antigen binding sites. Representing approximately

75% of serum antibodies in humans, IgG is the most common type of antibody found in the circulation. IgG molecules are created and released by plasma B cells.

Human IgG1 (kappa) was purified from myeloma plasma by a combination of column chromatography (Sephadex, and DEAE-ion exchange columns) and immunoaffinity chromatography. The resulting preparation was judged to be >96% pure by immuno electrophoresis (IEP) and SDS-PAGE. It is supplied as unlabeled or coupled to biotin, HRP, FITC, PE, Cy5 etc.

All human derived material has been tested negative for HIV, HCV, and HbSAg. Nevertheless, all precautions should be taken and samples be treated as potentially hazardous.

**Cat# 20007-G1-1, unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (1 mg) or **liquid** form (see lot sp. concn on the vial). Reconstitute powder in water. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 20007-G1-B, Biotin-conjugate**

Purified 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** or **liquid** form (see lot sp. concn on the vial). Reconstitute powder in water in to prepare stock 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# 20007-G1-F, FITC-conjugate**

Purified antibody was coupled to FITC at F/P ratio ~5. The antibody is supplied in PBS, pH 7.4, 1% BSA (see lot sp concn on the vial) or in powder form. **Reconstitute** powder in water. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze/thaw.

Suggested conjugate dilutions are 1:20-1:500 for immunofluorescence. Or 1 test equivalent of antibody per million cells.

**Absorption @495 nm      Emission @528 nm**

**Cat# 20007-G1-HP, 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** or **liquid** form (see lot sp. concn on the vial). Reconstitute powder in PBS. 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# 20007-G1-PE, PE-conjugate**

The purified antibody was coupled to R-Phycoerythrin (R-PE) (Molecular Weight 240,000 daltons) from seaweed using proprietary methods (A565nm/A280nm ~3-4).

Absorption: 490 nm, 545 nm and 565 nm  
Emission Wavelength: 580 nm

The conjugate is provided in PBS, pH 7.5, containing 0.1% bovine serum albumin, (BSA) 0.05% sodium azide and stabilizing agent). **DO NOT FREEZE**. The product should be stored at 4oC and is stable for a minimum of 1 year. Do not store diluted solutions.

Recommended usage is ~10 ul/106 cells for Flow cytometry or FACS. Due to many experimental variations, optimum concn must be determined for a given applications

**Related Material available for ADI**

Catalog#	Prod Description
20007-G1-1	Human IgG, purified (serum, non-immune, isotype control)
20007-G1-B	Human IgG-Biotin conjugate (isotype control, non-immune), purified
20007-G1-F	Human IgG-FITC conjugate (isotype control, non-immune), purified
20007-G1-FAB	Human IgG Fab fragment, purified
20007-G1-FAB2	Human IgG F(ab') <sub>2</sub> fragment, purified
20007-G1-FAB2-B	Human IgG Fab2 fragment-Biotin Conjugate, purified
20007-G1-FAB2-F	Human IgG Fab2 fragment-FITC Conjugate, purified
20007-G1-FAB2-HP	Human IgG Fab2 fragment-HRP Conjugate, purified
20007-G1-FAB-B	Human IgG Fab fragment-Biotin Conjugate, purified
20007-G1-FAB-F	Human IgG Fab fragment-FITC Conjugate, purified
20007-G1-FAB-HP	Human IgG Fab fragment-HRP Conjugate, purified
20007-G1-FC	Human IgG (Fc) fragment, purified
20007-G1-Fc-B	Human IgG Fc-Biotin conjugate (isotype control,
20007-G1-F	Human IgG1-FITC Conjugate (-ve control)
20007-G1-H	Human IgG1-HRP Conjugate (-ve control)
20007-G1-PE	Human IgG1-R-PE Conjugate (-ve control)

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