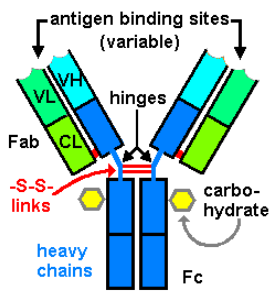


Product Data Sheet

<input type="checkbox"/> Cat# 20008-1	Mouse IgG (non-immune), unlabeled (isotype control)	Size: 1 mg
<input type="checkbox"/> Cat# 20008-B	Mouse IgG (non-immune), Biotin conjugate (isotype control)	Size: 50 tests
<input type="checkbox"/> Cat# 20008-F	Mouse IgG (non-immune), FITC conjugate (isotype control)	Size: 100 tests
<input type="checkbox"/> Cat# 20008-HP	Mouse IgG (non-immune), HRP conjugate (isotype control)	Size: 50 tests
<input type="checkbox"/> Cat# 20008-PE	Mouse IgG (non-immune), PE conjugate (isotype control)	Size: 50 tests



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. IgG has molecular weight of approximately 150 kDa, heavy or H chain approximately 50 kDa and light or L chain 25 kDa. 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. ratio ~10-20:1. The antibody is supplied in PBS, pH 7.4, 1% BSA and 0.05% azide in either **lyophilized** or **liquid** form (50 tests/50 ul ~0.5-1 mg/ml). Reconstitute powder in PBS in 50 ul 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 1:1,00-1: 10,000 ELISA.

Cat# 20008-PE, PE-conjugate

Purified mouse IgG 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% prolcin-300 as preservative in either **lyophilized** or **liquid** form (0.5-0.5 mg/ml; 50 tests). Reconstitute powder in PBS in 50 ul. 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# 20008-PE, PE-conjugate

Purified mouse IgG 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 ~5 ul/10⁶ cells for Flow cytometry or FACS. Due to many experimental variations, optimum conc. must be determined for any given applications

This product is for in vitro research use only.

A healthy non-immunized population of mice was used to collect serum. IgG was prepared by ammonium sulfate, and column chromatography (Sephadex, and DEAE-ion exchange columns). The resulting preparation was judged to be >95% pure by IEP and SDS-Page. Highly purified mouse serum IgG was labeled with purified preparation of calf intestinal alkaline phosphatase (AP), (horseradish peroxidase) HRP, Biotin or FITC or PE.

Form and Storage

Cat# 20008-1, unlabeled

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (1mg) or **liquid** form (1 mg ug/ml or lot specific conc provided on the vial). Reconstitute powder in PBS to prepare 1 mg/ml solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

In most applications, mouse IgG is used at 0.1-1 ug/ml.

Cat# 20008-F, FITC-conjugate

Purified mouse IgG was coupled to FITC at F/P ratio ~5. The antibody is supplied in PBS, pH 7.4, 1% BSA, 40% glycerol and 0.05% azide at 100 ug/100 ul. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:20-1:500 for immunofluorescence.

Absorption Wavelength: 495 nm
Emission Wavelength: 528 nm

Cat# 20008-B, Biotin-conjugate

Purified mouse IgG was coupled to Biotin using Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) at F/P

Related Material available for ADI

Mouse IgG1, IgG2a, IgG2b, IgG3, IgM, IgE isotype controls and antibodies

ELISA kits for mouse IgG, IgM, and IgE

20008-1-B-F-HP-PE

100224A

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