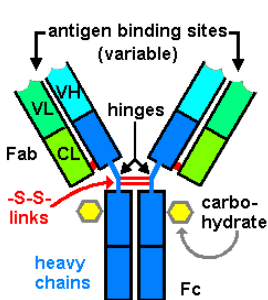


Product Data Sheet

**Mouse monoclonal Anti-Monkey IgG (specific for monkey; no reactivity with human or animals IgG and conjugates)**

□ <b>Cat #.</b> 70030-M	Mouse monoclonal Anti-Monkey IgG, unlabeled	<b>Size:</b> 100 ug
□ <b>Cat #.</b> 70030-HP	Mouse monoclonal Anti-Monkey IgG-HRP conjugate	<b>Size:</b> 0.25 ml
□ <b>Cat #.</b> 70030-AP	Mouse monoclonal Anti-Monkey IgG-Alk Phos. conjugate	<b>Size:</b> 0.25 ml
□ <b>Cat #.</b> 70030-BT	Mouse monoclonal Anti-Monkey IgG-Biotin conjugate	<b>Size:</b> 0.25 ml
□ <b>Cat #.</b> 70030-PE	Mouse monoclonal Anti-Monkey IgG-PE conjugate	<b>Size:</b> 50 tests



Immunoglobulin G (IgG)

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.

Mice were immunized with antigen grade monkey IgG (Rhesus). Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography. Antibodies were made specific for IgG by removing any antibodies cross-reactive with IgM or IgA, IgE or other monkey protein. Purified anti-monkey IgG were labeled with highly purified preparation of horse radish peroxidase (HRP), biotin, AP, FITC etc using proprietary methods.

**Purity/Specificity**

Specificity has been tested using IEP, immunodiffusion, and ELISA. The product reacts with monkey IgG only. The antibody recognizes Cynomolgus and baboons IgG. It may also react with other related monkeys. However, no significant reactivity is observed with human, goat, mouse, rat, cat, rabbit, horse, chicken, pig, bovine, g. pig, and donkey serum is detected to other serum proteins.

**Form and Storage**

**Cat# 70030, unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (0.1 mg) or **liquid** form (1 mg/ml). Reconstitute powder in water to prepare stock solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 70030-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% prolcin-300 as preservative in either **lyophilized** or **liquid** form (0.25 ml). Reconstitute powder in 0.25 ml water. 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# 70030-AP, AP-conjugate**

The conjugate is provided at ~0.5-1 mg/ml as liquid in a stabilizing buffer (50 mM HEPES pH 7.1, 0.1 M NaCl, 1 mM MgCl<sub>2</sub>, 0.1 mM ZnCl<sub>2</sub>, pH 7.5, containing 0.2% bovine serum albumin, 0.05% sodium azide). The product should be **stored at 4°C** and is stable for a minimum of 1 year. Do not store diluted solutions.

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

**Cat# 70030-BT, Biotin-conjugate**

Purified 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 (0.25 ml). Reconstitute powder in water in 0.25 ml 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.

**Cat# 70030-PE, PE-conjugate**

The purified antibody was coupled to R-Phycoerythrin (R-PE) (Molecular Weight 240 Kd) 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

**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**

**Monkey IgG, IgA, IgM, and IgE ELISA kits**

ELISA kits for the detection of mouse Antibodies

70030-M-Ms-Mono-Anti-Monkey-IgG

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