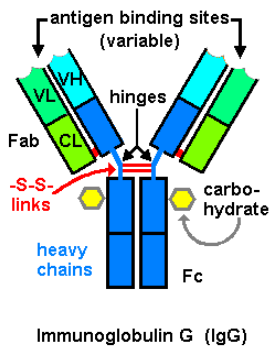


Anti-Mouse IgG (gamma-chain specific)-Antibodies and conjugates

Cat# 40119	Goat Anti-Mouse IgG (gamma sp), unlabeled	Size: 1 mg
Cat# 40120	Goat Anti-Mouse IgG (gamma)-HRP conjugate	Size: 1 ml
Cat# 40139	Goat Anti-Mouse IgG (gamma)-FITC labeled	Size: 0.5 ml
Cat# 40140	Goat Anti-Mouse IgG (gamma)-Biotin labeled	Size: 0.5 ml
Cat# 40150	Goat Anti-Mouse IgG (gamma)-AP labeled	Size: 0.5 ml



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.

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Goats were immunized with antigen grade mouse IgG. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography. Antibodies were made specific for heavy-chain by removing any antibodies crossreactive with light chains. Specificity has been tested using IEP, immunodiffusion, and ELISA. Purified antibodies react with mouse IgG with minimal reactivity with mouse IgA and IgM. The antibody may recognize other species IgG's that have common gamma chains. However, no antibody is detected to other serum proteins. Purified antibodies are supplied as unlabeled, HRP-, Biotin, FITC, and AP conjugates.

Form and Storage

Cat# 40119, unlabeled

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (1.0 mg) or **liquid** form (1 mg/ml). Reconstitute powder in PBS in 1 ml to prepare 1 mg/ml solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Cat# 40120, 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** (1 ml) or **liquid** form (1 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).

Cat# 40139, FITC-conjugate

Purified anti-Mouse IgG (gamma-chain sp) 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# 40140, Biotin-conjugate

Purified anti-Pig IgG (H+L) antibody was coupled to Biotin using GSI 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.

Cat# 40150, 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 MgCl2, 0.1 mM ZnCl2, 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).

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 GSI

Catalog# Prod Description

40120	Anti-Mouse IgG (heavy-chain sp.)-HRP conjugate
40150	Anti-Mouse IgG (heavy-chain sp.)-Alk. Phos. Conjugate
40323-200	Anti-Mouse IgG-HRP conjugate
40337-Cy2	Anti-Mouse IgG-Cy2 Conjugate (Adsorbed with Bov, Ch, Gt, Gp, Ha, Hs, Hu, Rb, Sh)
40330	Anti-Mouse IgG (H+L)-FITC conjugate
40320	Anti-Mouse IgG (H+L)-HRP conjugate
40323-Cy2	Anti-Mouse IgG-Cy2 Conjugate
40122-UL	Anti-Mouse IgG2a (heavy-chain sp.), unlabeled
40122-BT	Anti-Mouse IgG2a (heavy-chain sp.)-biotin labeled
40140	Anti-Mouse IgG (heavy-chain sp.)-Biotin conjugate
40122-F	Anti-Mouse IgG2a (heavy-chain sp.)-FITC conjugate
40324	Anti-Mouse IgG+IgM+IgA-HRP conjugate
40350	Anti-Mouse IgG (H+L)-Alk. Phosphatase conjugate
40131-BT	Anti-Mouse IgG2c (heavy-chain sp.)-biotin conjugate
40321-200	Anti-Mouse IgG-HRP conjugate (adsorbed with human, rat, goat etc)
40340	Anti-Mouse IgG (H+L)-Biotin conjugate

40119-Gt-Anti-Ms-IgG 1602115V