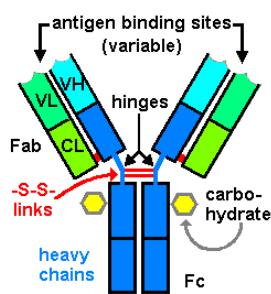


Anti-Mouse IgG3 (heavy-chain specific) Antibodies and conjugates

<input type="checkbox"/> Cat# 40124	Goat Anti-Mouse IgG3, unlabeled	Size: 1 mg	Form: <input type="checkbox"/> Liquid; <input type="checkbox"/> Powder
<input type="checkbox"/> Cat# 40124-BT	Rabbit Anti-Mouse IgG3-biotin conjugate	Size: 100 ug	Form: <input type="checkbox"/> Liquid; <input type="checkbox"/> Powder
<input type="checkbox"/> Cat# 40130	Goat Anti-Mouse IgG3-HRP conjugate	Size: 0.5 ml	Form: <input type="checkbox"/> Liquid; <input type="checkbox"/> Powder



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.

Goats/rabbits were immunized with antigen grade mouse IgG3. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography. Antibodies were made specific for IgG3 by removing any antibodies crossreactive with other Ig's. Specificity has been tested using IEP, immunodiffusion, and ELISA. Purified antibodies react with mouse IgG3 with minimal reactivity with other isotypes, IgA, IgM or other serum proteins. The antibody may recognize other species IgG3's. Purified antibodies are supplied as unlabeled, HRP-, Biotin, FITC, and AP conjugates.

Form and Storage

Cat# 40124, unlabeled

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (1 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# 40124, 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** (0.1 mg) or **liquid** form (0.1 mg/0.1 ml). Reconstitute powder in PBS in 0.1 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, 1:2K-1:10K for western.

Cat# 40130, 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** (0.5 ml) or **liquid** form (0.5 ml). Reconstitute powder in PBS in 0.5 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).

Recommended Working Dilution for ELISA

Working dilution for the specific application should be determined by the investIlgG3tor 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

Mouse IgA, IgM, and IgE ELISA kits

Anti-Mouse IgG3 (Alpha-chain sp), IgG3, IgM, IgE antibodies and conjugates

ELISA kits for the detection of mouse Antibodies

40124-bt-30

170103SV