

Product Data Sheet

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

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

**Description**

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 -20°C 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 -20°C 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 4°C 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 investlgG3tor 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, 40124-BT, 40130

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