

Product Data Sheet

**Anti-Human IgG (Fc)-Antibodies and conjugates**

<b>Cat#</b> 10119	Goat Anti-human IgG (Fc), unlabeled	<b>Size:</b> 1 mg	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 10130	Goat Anti-human IgG (Fc)-FITC labeled	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 10140	Goat Anti-human IgG (Fc)-Biotin labeled	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid	Powder

**Description**

Goats were immunized with antigen grade **human IgG (Fc)**. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography to remove non-specific antibodies. Purified goat anti-human IgG (Fc) is supplied as unlabeled IgG (#10119), FITC conjugate (#10130) and Biotin-conjugate (#10140).

Specificity of antibody has been tested using IEP, immunodiffusion, and ELISA. The product reacts with human IgG (Fc) with no significant reactivity with human IgG (Fab2), IgM or other serum proteins. The antibody may recognize other species IgG (Fc).

**Form and Storage**

**Cat# 10119, unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (1 mg) or **liquid** form (1.0 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# 10130, FITC-conjugate**

Purified anti-human IgG (Fc) 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# 10140, Biotin-conjugate**

Purified anti-human IgG (Fc) 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, 1% 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.

**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.

**Related Material available for ADI**

**Human IgG (Fc), IgG, IgM, and IgE ELISA kits**

Anti-human IgG (Fc), IgG, IgM, IgE antibodies and conjugates

ELISA kits for the detection of human Antibodies

**Western blot recycling kit** (Use the same blot/strip to probe with multiple antibodies) **Strip Antibodies in 5 minutes** (no heating or mercaptoethanol)

**Chemiluminescence Substrates and Western blot kits** (save by complete kit that includes Anti-rabbit IgG-HRP conjugate, blocking buffer, wash buffer, and Chemiluminescence Substrates for processing 15-30 std size blots).

This product is considered non-hazardous as defined by OSHA (CFR 1910.1200. Nov 25, 1983). It can be disposed of in the drain.

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