

Product Data Sheet

**Anti-Rat IgG (Fc) antibodies and conjugates**

<b>Cat#</b> 50119	Goat Anti-Rat IgG (Fc), unlabeled	<b>Size:</b> 0.5 mg	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 50120	Goat Anti-Rat IgG (Fc)-HRP conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 50130	Goat Anti-Rat IgG (Fc)-FITC conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 50140	Goat Anti-Rat IgG (Fc)-Biotin conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid	Powder

**Description**

Goats were immunized with antigen grade Rat IgG (Fc)-fragment. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography. Purified anti-Rat IgG (Fc) antibody is supplied as unlabeled or conjugated to Biotin, FITC, or HRP.

Specificity of antibodies has been tested using IEP, immunodiffusion, and ELISA. The antibodies yielded a single precipitin arc against rat serum, rat IgG, and Fc-fragment. No antibody reactivity is detected to other rat serum proteins, IgM, IgA or F(ab)<sub>2</sub>. Anti-rat IgG (Fc) may crossreact with Fc-fragment from other species.

**Form and Storage**

**Cat# 50119, Anti-Rat IgG (Fc), unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (0.5 mg) or **liquid** form (0.5 mg/ml). Reconstitute powder in PBS in 0.5 ml to prepare 0.5 mg/ml solution. Store at -20°C in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 50120, Anti-Rat IgG (Fc)-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 (0.5-1 mg/ml). Reconstitute powder in PBS in 1 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).

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**Cat# 50130, Anti-Rat IgG (Fc)-FITC-conjugate**

Purified anti-Rat IgG (Fc) antibody was coupled to FITC at F/P ratio ~3:7. 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 -20°C 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# 50140, Anti-Rat IgG (Fc)-Biotin-conjugate**

Purified anti-Rat 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, 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 -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.

**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**

**Rat IgG, IgM, IgA ELISA kits**

Anti-Rat IgG (Fc), IgG, IgG (H+L), IgG (H+L) antibodies and conjugates

ELISA kits for the detection of Rat Antibodies

50119, 50120, 50130, 50140,

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