

Product Data Sheet

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

<b>Cat#</b> 80619	Rabbit Anti-Bovine IgG (Fc), unlabeled	<b>Size:</b> 1 mg	<b>Form:</b> <input type="checkbox"/> Liquid <input type="checkbox"/> Powder
<b>Cat#</b> 80620	Rabbit Anti-Bovine IgG (Fc)-HRP conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> <input type="checkbox"/> Liquid <input type="checkbox"/> Powder
<b>Cat#</b> 80630	Rabbit Anti-Bovine IgG (Fc)-FITC labeled	<b>Size:</b> 0.5 ml	<b>Form:</b> <input type="checkbox"/> Liquid <input type="checkbox"/> Powder
<b>Cat#</b> 80640	Rabbit Anti-Bovine IgG (Fc)-Biotin labeled	<b>Size:</b> 0.5 ml	<b>Form:</b> <input type="checkbox"/> Liquid <input type="checkbox"/> Powder

**Description**

Rabbits were immunized with antigen grade **Bovine IgG (Fc)**. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography to remove non-specific antibodies. Purified anti-Bovine IgG (Fc) is supplied as unlabeled IgG, HRP, FITC and Biotin-conjugate.

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

**Form and Storage**

**Cat# 80619, 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 -20°C in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 80620, 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 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).

**Cat# 80630, FITC-conjugate**

Purified anti-Bovine 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 -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# 80640, Biotin-conjugate**

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

**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 ADI**

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

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

ELISA kits for the detection of Bovine Antibodies

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

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