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Product data sheet

Anti-Bovine IgG (H+L) Antibodies and conjugates

Cat# SA-80519	Goat Anti-Bovine IgG (H+L), unlabeled	Size: 1 mg	Form: Liquid;	Powder
Cat# SA-80520	Goat Anti-Bovine IgG (H+L)-HRP conjugate	Size: 0.5 ml	Form: Liquid;	Powder
Cat# SA-80530	Goat Anti-Bovine IgG (H+L)-Alk. Phos. conjugate	Size: 0.5 ml	Form: Liquid;	Powder
Cat# SA-80540	Goat Anti-Bovine IgG (H+L)-Biotin conjugate	Size: 0.5 ml	Form: Liquid;	Powder

Description

Goats were immunized with antigen grade **Bovine IgG (H+L)**. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography to remove non-specific antibodies. Specificity of antibody has been tested using IEP, immunodiffusion, and ELISA. The product reacts with Bovine IgG, IgA and IgM with no significant reactivity with other serum proteins. The antibody may recognize other species IgG (H+L or IgA, IgG, IgM etc)). Purified anti-Bovine IgG (H+L) antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP or HRP.

Form and Storage

Cat# SA-80519, Anti-Bovine IgG (H+L), unlabeled

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (1.0 mg) or **liquid** form (1 mg/ml). Reconstitute powder in PBS in 1.0 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# SA-80520, Anti-Bovine IgG (H+L)-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; 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).

Cat# SA-80530, Anti-Bovine IgG (H+L)-FITC-conjugate

Purified anti-Bovine IgG (H+L) 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# SA-80540, Anti-Bovine IgG (H+L)-Biotin-conjugate

Purified antibody was coupled to Biotin using GSI Biotinylation kit # EW-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, 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 GSI

Bovine IgG, IgM ELISA kits

Anti-Bovine IgG (H+L), IgG, IgG (H+L), IgG (H+L) 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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