

Product Data Sheet

Anti-Sheep IgG (Fc) antibodies and conjugates

Cat# 30619	Rabbit Anti-Sheep IgG (Fc), unlabeled	Size: 1 mg	Form: Liquid	Powder
Cat# 30620	Rabbit Anti-Sheep IgG (Fc)-HRP conjugate	Size: 1 ml	Form: Liquid	Powder
Cat# 30630	Rabbit Anti-Sheep IgG (Fc)-FITC conjugate	Size: 0.5 ml	Form: Liquid	Powder
Cat# 30640	Rabbit Anti-Sheep IgG (Fc)-Biotin conjugate	Size: 0.5 mg	Form: Liquid	Powder

Description

Rabbits were immunized with antigen grade Sheep IgG (Fc)-fragment. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography. Purified anti-Sheep 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 Sheep serum, Sheep IgG, and Fc-fragment. No antibody reactivity is detected to other Sheep serum proteins, IgM, IgA or F(ab)₂. Anti-Sheep IgG (Fc) may crossreact with Fc-fragment from other species.

Form and Storage

Cat# 30619, Anti-Sheep IgG (Fc), 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# 30620, Anti-Sheep 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** (1 ml) 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).

Cat# 30630, Anti-Sheep IgG (Fc)-FITC-conjugate

Purified anti-Sheep 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# 30640, Anti-Sheep IgG (Fc)-Biotin-conjugate

Purified anti-Sheep 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

Sheep IgG, IgM, IgA ELISA kits

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

ELISA kits for the detection of Sheep Antibodies

30619, 30620, 30630, 30640

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