



## Product Data Sheet

### Anti-Sheep IgG (H+L) Antibodies and conjugates

<b>Cat#</b> 30519	Rabbit Anti-sheep IgG (H+L), unlabeled	<b>Size:</b> 1 mg	<b>Form:</b> Liquid; Powder
<b>Cat#</b> 30520	Rabbit Anti-sheep IgG (H+L)-HRP conjugate	<b>Size:</b> 1 ml	<b>Form:</b> Liquid; Powder
<b>Cat#</b> 30530	Rabbit Anti-sheep IgG (H+L)-FITC conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid; Powder
<b>Cat#</b> 30540	Rabbit Anti-sheep IgG (H+L)-Biotin conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid; Powder

#### Description

Rabbits were immunized with antigen grade **sheep 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 sheep 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-sheep IgG (H+L) antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP or HRP.

#### Form and Storage

##### Cat# 30519, Anti-sheep 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# 30520, Anti-sheep 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** (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# 30530, Anti-sheep IgG (H+L)-FITC-conjugate

Purified anti-sheep 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# 30540, Anti-sheep IgG (H+L)-Biotin-conjugate

Purified anti-sheep IgG (H+L) 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 ELISA kits

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

ELISA kits for the detection of sheep 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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