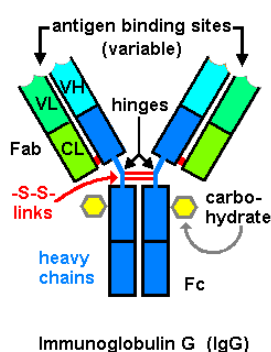


Product Data Sheet

Anti-Llama IgG Antibodies and conjugates

<input type="checkbox"/> Cat# 30840-UL	Goat Anti-Llama IgG, aff pure, unlabeled	Size: 0.2 mg
<input type="checkbox"/> Cat# 30840-HP	Goat Anti-Llama IgG-HRP Conjugate	Size: 0.2 mg
<input type="checkbox"/> Cat# 30840-B	Goat Anti-Llama IgG-Biotin Conjugate	Size: 0.25 ml
<input type="checkbox"/> Cat# 30840-F	Goat Anti-Llama IgG- HRP Conjugate	Size: 0.25 ml



Immunoglobulin G (IgG) is a type of antibody. It is a protein complex composed of four peptide chains—two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. IgG has molecular weight of approximately 150 kDa, heavy or H chain approximately 50 kDa and light or L chain 25 kDa. Each IgG has two antigen binding sites. Representing approximately 75% of serum antibodies in humans, IgG is the most common type of antibody found in the circulation.

Goats were immunized with antigen grade Llama IgG. 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 Llama IgG (H+L) and no significant reactivity with other serum proteins. The antibody may also recognize other related species IgG. Purified anti-Llama IgG (H+L) antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP, RPE, APC or HRP.

Form and Storage

Cat# 30840-UL, Anti-Llama IgG, aff pure, unlabeled

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **liquid** form or lyophilized in the same buffer. Reconstitute powder in PBS in 0.1 ml to prepare stock solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1-10 for ELISA western or IHC. Use anti-Llama IgG or conjugates as secondary antibodies.

Cat# 30840-HP, Anti-Llama IgG-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 **liquid** or **lyophilized** or form (or see lot sp. Conc. on the vial). Reconstitute powder in PBS to prepare stock solutions. Store at 4oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:1,000-1: 10,000 ELISA, 1:1000-1:5000 for western, and 1:200-1:1000 (IHC).

Cat# 30840-B, Anti-Llama IgG-Biotin conjugate

Purified 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** or **liquid** form (see lot sp. Conc. on the vial). Reconstitute powder in PBS in 0.1 ml to prepare stock solution. Store at -20oC 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.

Cat# 30840-F, Anti-Llama IgG-FITC-conjugate

Purified anti-Pig 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 -20oC 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

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.

Specificity and cross reactivity: This antibody may cross react with Camel and Alpaca IgG.

Related Material available for ADI

Catalog#	Prod Description
30817-A	Anti-Llama IgG (H+L chain) IgG, unlabeled, aff pure
30817-APC	Anti-Llama IgG (H+L chain)-APC conjugate
30817-B	Anti-Llama IgG (H+L chain)-Biotin conjugate
30817-GAF-BLK	Anti-Llama IgG (H+L chain), Affinity Purified (Bulk)
30817-Gas-BLK	Anti-Llama IgG (H+L chain), Antisera (Bulk)
30817-HP	Anti-Llama IgG (H+L chain) IgG-HRP Conjugate
30817-RPE	Anti-Llama IgG (H+L chain)-RPE conjugate
30840-B	Anti-Llama IgG (heavy chain)-Biotin Conjugate
30840-F	Anti-Llama IgG (heavy chain)-FITC Conjugate
30840-HP	Anti-Llama IgG (heavy chain)-HRP Conjugate
30840-UL	Anti-Llama IgG (heavy chain), Affinity Purified
30845-B	Anti-Llama IgG (light chain)-Biotin Conjugate
30845-F	Anti-Llama IgG (light chain)-FITC Conjugate
30845-HP	Anti-Llama IgG (light chain)-HRP Conjugate
30845-UL	Anti-Llama IgG (light chain), Affinity Purified

30840-Anti-Llama-IgG-Antibody-Conjugates 160226SV