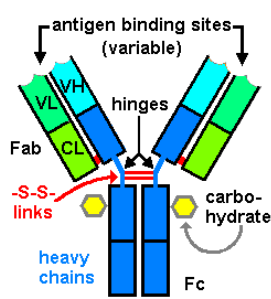


Product Data Sheet

Anti-Camel IgG Antibodies and conjugates

<input type="checkbox"/> Cat# 30835-UL	Goat Anti-Camel IgG, aff pure, unlabeled	Size: 0.5 mg
<input type="checkbox"/> Cat# 30835-HP	Goat Anti-Camel IgG-HRP Conjugate	Size: 0.5 ml
<input type="checkbox"/> Cat# 30835-B	Goat Anti-Camel IgG-Biotin Conjugate	Size: 0.5 ml
<input type="checkbox"/> Cat# 30835-APC	Goat Anti-Camel IgG-APC Conjugate	Size: 0.5 ml
<input type="checkbox"/> Cat# 30835-RPE	Goat Anti-Camel IgG-RPE Conjugate	Size: 0.5 ml



Immunoglobulin G (IgG)

antibody found in the circulation.

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 a 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

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

Form and Storage

Cat# 30835-UL, Anti-Camel 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 0.5 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-Goat IgG or conjugates as secondary antibodies.

Cat# 30835-HP, Anti-Camel 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% proclin-300 as preservative in **liquid** or **lyophilized** 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# 30835-B, Anti-Camel 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 0.5 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# 30835-RPE, RPE-conjugate

The purified antibody was coupled to R-Phycoerythrin (R-PE) (Molecular Weight 240,000 daltons) from seaweed using proprietary methods (A565nm/A280nm ~3-4).

Absorption: 565>540>498 nm
Emission Wavelength: 580 nm

The conjugate is provided in PBS, pH 7.5, containing 0.1% bovine serum albumin, (BSA) 0.05% sodium azide and stabilizing agent). DO NOT FREEZE. The product should be stored at 4oC and long term storage at -20oC. Do not store diluted solutions.

Recommended usage is ~10 ul/10⁶ cells for Flow cytometry or FACS. Due to many experimental variations, optimum concn must be determined for a given application.

Cat# 30835-APC, APC-conjugate

The purified antibody was coupled to SureLight Allophycocyanin (APC, ~105 kDa) from red or blue-green algae using proprietary methods.

Absorption: 652 nm
Emission Wavelength: 657 nm

The conjugate is provided in PBS, pH 7.5, containing 0.1% bovine serum albumin, (BSA) 0.05% sodium azide and stabilizing agent). DO NOT FREEZE. The product should be stored at 4oC and long term storage at -20oC. Do not store diluted solutions.

Recommended usage is ~10 ul/10⁶ cells for Flow cytometry or FACS. Due to many experimental variations, optimum concn must be determined for a given application.

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 camelid IgG (Llama and Alpaca).

Related Material available for ADI

30824-A	Anti-Skunk IgG (H+L chain) unconjugated
30824-BT	Anti-Skunk IgG (H+L chain)-Biotin Conjugate
30824-HP	Anti-Skunk IgG (H+L chain)-HRP Conjugate
30825-A	Anti-Skunk IgG (Gamma-chain sp) Unconjugated,
30825-BT	Anti-Skunk IgG (Gamma-chain sp)-Biotin Conjugate
30825-HP	Anti-Skunk IgG (Gamma-chain sp)-HRP Conjugate
30826	Anti-Skunk IgM-Biotin Conjugate
30826-A	Anti-Skunk IgM Unconjugated, aff pure IgG,
30826-HP	Anti-Skunk IgM-HRP 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-UL	Anti-Llama IgG (light chain), Affinity Purified0826