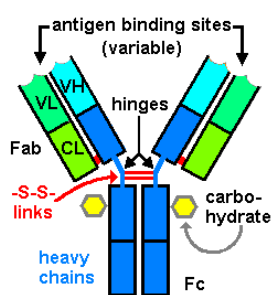


Product Data Sheet

Goat Anti-Opossum IgG Antibodies and conjugates

Cat# 30815-A Goat Anti-Opossum IgG (H+L), unlabeled **Size: 500 ul**

Cat# 30815-HP Goat Anti- Opossum IgG (H+L)-HRP conjugate **Size: 500 ul**



Immunoglobulin G (IgG)

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.

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

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.

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.

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

Form and Storage

Cat# 30815-A, Anti-Opossum IgG, 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-Goat IgG or conjugates as secondary antibodies.

Cat# 30815-HP, Anti-Opossum 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# 30815-BT, Anti- Opossum IgG -Biotin-conjugate

Related Material available for ADI

Catalog#	Prod Description
30811-A	Anti-Deer IgG/Y (H+L chain) (Cervid family: Deer, Elk, Moose) unconjugated, aff pure IgG,
30811-BT	Anti-Deer IgG/Y (H+L chain) (Cervid family: Deer, Elk, Moose)-Biotin Conjugate
30811-HP	Anti-Deer IgG/Y (H+L chain) (Cervid family: Deer, Elk, Moose)-HRP Conjugate
30815-A	Anti-Deer IgG (H+L chain) (Cervid family: Deer, Elk, Moose) unconjugated, aff pure IgG,
30815-BT	Anti-Deer IgG (H+L chain) (Cervid family: Deer, Elk, Moose)-Biotin Conjugate
30815-HP	Anti-Deer IgG (H+L chain) (Cervid family: Deer, Elk, Moose)-HRP Conjugate
30813-A	Anti-Raccoon IgG (H+L chain) IgG unconjugated, aff pure
30813-HP	Anti-Raccoon IgG (H+L chain) IgG-HRP conjugate
30814-A	Anti-Alligator IgG (H+L chain) IgG unconjugated, aff pure
30814-HP	Anti-Alligator IgG (H+L chain) IgG-HRP Conjugate
30815-A	Anti-Opossum IgG (H+L chain) IgG, unconjugated, aff pure
30815-HP	Anti-Opossum IgG (H+L chain) IgG-HRP Conjugate
30816-A	Anti-Bat IgG (H+L chain) IgG, unconjugated, aff pure
30816-HP	Anti-Bat IgG (H+L chain) IgG-HRP Conjugate
30817-A	Anti-Llama IgG (H+L chain) IgG, unconjugated, aff pure
30817-HP	Anti-Llama IgG (H+L chain) IgG-HRP Conjugate
30818-A	Anti-Macaw IgG (H+L chain) IgG, unconjugated, aff pure
30818-HP	Anti-Macaw IgG (H+L chain) IgG-HRP Conjugate
30819-A	Anti-White whale IgG (H+L chain) IgG, unconjugated, 30819-HP
30820-A	Anti-Dolphin (Bottlenose) IgG (H+L chain) IgG,
30820-HP	Anti-Dolphin (Bottlenose) IgG (H+L chain) IgG-HRP
30821-A	Anti-Dog IgG (Gray Fox/red fox/coyote) IgG, aff pure,
30821-HP	Anti-Dog IgG (Gray Fox/red fox/coyote) IgG-HRP Conjugate

30815-Opossum-IgG

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