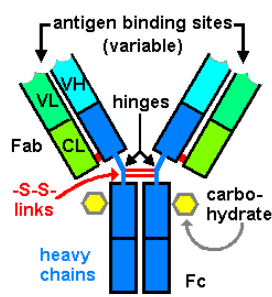


Product Data Sheet

**Anti-Ferret IgG (gamma) Antibodies and conjugates**

<b>Cat#</b> 70529	Goat Anti-Ferret IgG, unlabeled	<b>Size:</b> 0.5 mg
<b>Cat#</b> 70530	Goat Anti-Ferret IgG-HRP conjugate	<b>Size:</b> 0.5 ml
<b>Cat#</b> 70529-BTN	Goat Anti-Ferret IgG-Biotin conjugate	<b>Size:</b> 0.25 ml



Immunoglobulin G (IgG)

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 **Ferret 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 Ferret IgG with no significant reactivity with other Ig's or serum proteins. The antibody may recognize other species IgG. Purified anti-Ferret IgG antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP or HRP.

**Form and Storage**

**Cat# 70529, Anti-Ferret IgG, unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (0.5 mg) or **liquid** form (1 mg/ml). Reconstitute powder in PBS in 1.0 ml to prepare 1 mg/ml solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 70530, Anti-Ferret 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 either **lyophilized** (0.5 ml) or **liquid** form (0.5 ml; 0.5-1 mg/ml). Reconstitute powder in PBS in 1 ml. 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, 1:1K-1:5K for western, and 1:200-1:1000 (IHC).

**Cat# 70529-BTN, Biotin-conjugate**

Purified 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 (0.25 ml). Reconstitute powder in PBS in 0.25 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.

**Related Material available for ADI**

Catalog#	Prod Description
70539	Anti-Ferret IgM (mu), unlabeled
70529	Anti-Ferret IgG (gamma), unlabeled
70540	Anti-Ferret IgM (mu)-HRP conjugate
70510	Anti-Ferret IgG (H+L), unlabeled
70519	Anti-Ferret IgA (alpha), unlabeled
70530	Anti-Ferret IgG (gamma)-HRP conjugate
70511	Anti-Ferret IgG (H+L)-HRP conjugate
70520	Anti-Ferret IgA (alpha)-HRP conjugate
70529-BTN	Anti-Ferret IgG (gamma)-biotin conjugate

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