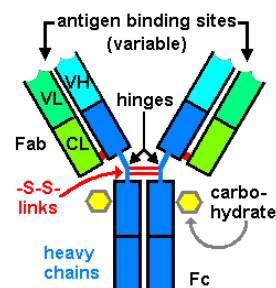


Product Data Sheet

**Anti-Hamster (Syrian)(H+L) Antibodies and conjugates**

<b>Cat# 80319</b>	Goat Anti-Hamster (Syrian) (H+L), unlabeled	<b>Size:</b> 1 mg
<b>Cat# 80320</b>	Goat Anti-Hamster (Syrian) (H+L)-HRP conjugate	<b>Size:</b> 1 ml
<b>Cat# 80322</b>	Goat Anti-Hamster (Syrian) (H+L)-AP conjugate	<b>Size:</b> 1 ml
<b>Cat# 80325</b>	Goat Anti-Hamster (Syrian) (H+L)-FITC conjugate	<b>Size:</b> 1 ml
<b>Cat# 80340</b>	Goat Anti-Hamster (Syrian) (H+L)-Biotin conjugate	<b>Size:</b> 0.5 mg



**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 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

Suggested conjugate dilutions are 1:1,000-1:10,000 ELISA, 1:1K-1:5K for western, and 1:200-1:1000 (IHC).

**Cat# 80325, Anti-Hamster (Syrian)(H+L)-FITC-conjugate**

Purified anti-Hamster (Syrian)(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** (1 ml) or **liquid** form (1 ml; .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

**Cat# 80340, Anti-Hamster (Syrian)(H+L)-Biotin-conjugate**

Purified anti-Hamster (Syrian)(H+L) antibody was coupled to Biotin using ADI Biotinylation kit # 80300 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 -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 **Hamster (Syrian) (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 Hamster IgG, IgA and IgM with no significant reactivity with other serum proteins. The antibody may recognize other species IgG, particularly Armenian Hamster Ig's. Purified anti-Hamster (Syrian)(H+L) antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP or HRP.

**Form and Storage**

**Cat# 80319, Anti-Hamster (Syrian)(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 -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 80320, Anti-Hamster (Syrian)(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 (1 ml; 0.5 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# 80322, AP-conjugate**

The conjugate is provided at ~0.5 mg/ml as liquid (1 ml) in a stabilizing buffer (50 mM HEPES pH 7.1, 0.1 M NaCl, 1 mM MgCl<sub>2</sub>, 0.1 mM ZnCl<sub>2</sub>, pH 7.5, containing 0.2% bovine serum albumin, 0.05% sodium azide). The product should be **stored at 4°C** and is stable for a minimum of 1 year. Do not store diluted solutions.

**Related Material available for ADI**

Catalog#	Prod Description
80319	Anti-Hamster IgG (H+L) aff pure, unlabeled (Syrian)
80325	Anti-Hamster IgG (H+L)-FITC conjugate (Syrian)
80331	Anti-Hamster IgG (H+L)-Rhodamine (TRITC) conjugate (Syrian, Gadsorbed with other species)
80335	Anti-Hamster IgG (H+L)-Cy5 conjugate (Syrian IgG, adsorbed with other species)
80339	Anti-Hamster IgG (H+L)-HRP conjugate (Syrian IgG, adsorbed with Bv, Ch, Gt, Gp, Hs, Mo, Rb, Rt, Sh IgGs)
80340	Anti-Hamster IgG (H+L)-Biotin conjugate Syrian IgG,
80419	Anti-Hamster IgG (H+L) aff pure, unlabeled (Armenian)
80420	Anti-Hamster IgG (H+L)-HRP conjugate (Armenian)
80430	Anti-Hamster IgG (H+L)-FITC conjugate (Armenian)
80440	Anti-Hamster IgG (H+L)-Biotin conjugate (Armenian)
80450	Anti-Hamster IgG (H+L)-Alk. Phosphatase conjugate (Armenian)

80319-Hamster-IgG-Conjugates 1602085V