



# GENEMED SYNTHESIS, INC.

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## Product Data Sheet

### Syrian Hamster IgG Isotype Control and Conjugates

<b>Cat#</b> SA-20003-1	Syrian Hamster IgG, Unlabeled	<b>Size:</b> 1 mg
<b>Cat#</b> SA-20003-1-B	Syrian Hamster IgG-Biotin Conjugate	<b>Size:</b> 100 tests
<b>Cat#</b> SA-20003-1-F	Syrian Hamster IgG-FITC Conjugate	<b>Size:</b> 100 tests
<b>Cat#</b> SA-20003-1-HP	Syrian Hamster IgG-HRP Conjugate	<b>Size:</b> 100 tests
<b>Cat#</b> SA-20003-1-PC5	Syrian Hamster IgG-PE-Cy5.5 Conjugate	<b>Size:</b> 50 tests
<b>Cat#</b> SA-20003-1-PE	Syrian Hamster IgG-PE-PE Conjugate	<b>Size:</b> 50 tests

Syrian Hamster IgG was purified by a combination of column chromatography (Sephadex, and DEAE-ion exchange columns) and immunoaffinity chromatography. The resulting preparation was judged to be >96% pure by immuno electrophoresis (IEP) and SDS-PAGE. It is supplied as unlabeled or coupled to biotin, HRP, FITC, PE, Cy5 etc.

#### Cat# SA-20003-1, unlabeled

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (1m g) or **liquid** form (see lot sp. concn on the vial). Reconstitute powder in PBS. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

#### Cat# SA-20003-1-B, 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** (100 tests) or **liquid** form (see lot sp. concn on the vial). Reconstitute powder in PBS in 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# SA-20003-1-F, FITC-conjugate

Purified antibody was coupled to FITC at F/P ratio ~5. The antibody is supplied (100 tests) in PBS, pH 7.4, 1% BSA (see lot sp concn on the vial) or in powder form. **Reconstitute** powder in PBS. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze/thaw.

Suggested conjugate dilutions are 1:20-1:500 for immunofluorescence. Or 1 test equivalent of antibody per million cells.

**Absorption** @495 nm    **Emission** @528 nm

#### Cat# SA-20003-1-HP, 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 either **lyophilized** (100 tests) or **liquid** form (see lot sp. concn on the vial). Reconstitute

powder in PBS. 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# SA-20003-1-PE, PE-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** @490 nm, 545 nm and 565 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 is stable for a minimum of 1 year. Do not store diluted solutions.

Recommended usage 1 test equivalent of antibody per million cells for Flow cytometry or FACS. Due to many experimental variations, optimum concn must be determined for a given applications

#### Cat# SA-20003-1-PC5, PE-Cy5.5 conjugate

Purified antibody was coupled to PE-Cy5.5 (Cyanine 5.29-OSu) (Molecular Weight 975 daltons) at F/P ratio ~6:1. The antibody is supplied in PBS, pH 7.4, 0.5% BSA, IgG, and 0.05% azide in either **lyophilized** or **liquid** form (see lot specific concn on the vial). Reconstitute powder in PBS. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Suggested applications:** Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays

**Suggested conjugate dilutions** are 1:100-1:500 for immunofluorescence. Users must optimize the dilutions for a given technique. Or 1 test equivalent of antibody per million cells.

**Absorption** Wavelength: 650 nm

**Emission** Wavelength: 667 nm