

Product Data Sheet

**Mouse IgG1 isotype controls and conjugates**

<input type="checkbox"/> #20102-101	Mouse IgG1, unlabeled, isotype control	<b>Size:</b> 100 ug
<input type="checkbox"/> # 20102-101-B	Mouse IgG1-Biotin conjugate, isotype control	<b>Size:</b> 50 tests
<input type="checkbox"/> # 20102-101-F	Mouse IgG1-FITC conjugate, isotype control	<b>Size:</b> 50 tests
<input type="checkbox"/> # 20102-101-HP	Mouse IgG1-HRP conjugate, isotype control	<b>Size:</b> 50 tests
<input type="checkbox"/> # 20102-101-PE	Mouse IgG1-PE conjugate, isotype control	<b>Size:</b> 50 tests
<input type="checkbox"/> # 20102-101-PC5	Mouse IgG1-PE-Cy5 conjugate, isotype control	<b>Size:</b> 50 tests
<input type="checkbox"/> # 20102-101-APC	Mouse IgG1-APC conjugate, isotype control	<b>Size:</b> 50 tests

**Description**

Highly purified preparation of mouse IgG1k is supplied as unlabeled, HRP-, Biotin, FITC, and PE, Cy5 conjugates for use as isotype control or negative control for all mice monoclonal with IgG1 isotype.

**Form and Storage**

**Cat# 20102-101, unlabeled IgG1**

IgG1 is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (100 ug) or **liquid** form (1 mg/ml or see lot sp. concn on the vial). Reconstitute powder in PBS at 100 ug/ml or as desired. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw. Controls are typically tested at 0.1-1 ug/ml depending upon the application.

**Cat# 20102-101-B, Biotin-conjugate**

Purified mouse IgG1 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, 1 % BSA in either **lyophilized** (50 tests per vial) or **liquid** form (50 tests/100 ul or see lot sp. concn on the vial). Reconstitute powder in PBS in 100 ul or more. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw. No preservatives have been added. Sodium azide (0.1%) or merthiolate (0.05%) can be added if necessary to prevent bacterial growth.

Suggested conjugate dilutions are 1:5,000-1:30,000 ELISA. For other applications use as needed.

**Cat# 20102-101-F, FITC-conjugate**

Purified Mouse IgG1 was coupled to FITC at F/P ratio ~4-5:1. The antibody is supplied in PBS, pH 7.4, azide in either **lyophilized** (50 tests per vial) or **liquid** form (50 tests/500 ul or ~50 ug/vial). Reconstitute powder in PBS in 0.5 ml or as desired. Store at 4oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:50-1:500 for immunofluorescence or as optimized for a given tests.

**Color:** Green

**Absorption:** 495 nm      **Emission:** 528 nm

**Cat# 20102-101-HP, HRP-conjugate**

Purified mouse IgG1 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** (50 tests per vial) or **liquid** form (50 tests/100 ul or approx. 50 ug/100ul). Reconstitute powder in PBS in 0.1 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# 20102-101-PE, R-phycoerythrin (R-PE) conjugate**

Purified Mouse IgG1 was coupled to R-PE and supplied in PBS, pH 7.4, azide in either **lyophilized** (50 tests per vial) or **liquid** form (50 tests/500 ul or see lot sp. concn on the vial). Reconstitute powder in PBS in 500 ul water or as desired. Store at -4oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 10 ul/test or 1 x 10<sup>6</sup> cell for Flow cytometry or as optimized for a given tests.

**Color:** Red

**Absorption:** 488 nm      **Emission:** 575 nm

**Cat# 20102-101-PC5, R-phycoerythrin (R-PE)-Cy5 conjugate**

Purified Mouse IgG1 was coupled to R-PE/Cy5 and supplied in PBS, pH 7.4, azide in either **lyophilized** (50 tests per vial) or **liquid** form (50 tests/250 ul or see lot sp. concn on the vial). Reconstitute powder in PBS in 250 ul water or as desired. Store at 4oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 10 ul/test or 1 x 10<sup>6</sup> cell for Flow cytometry or as optimized for a given tests.

**Cat# 20102-101-APC, Allophycocyanin conjugate**

Purified Mouse IgG1 was coupled to APC and supplied in PBS, pH 7.4, azide in either **lyophilized** (50 tests per vial) or **liquid** form (50 tests/500 ul or see lot sp. concn on the vial). Reconstitute powder in PBS in 500 ul water or as desired. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 10 ul/test or 1 x 10<sup>6</sup> cell for Flow cytometry or as optimized for a given tests.

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**Mouse IgG (IgG1-3), IgA, IgM, and IgE ELISA kits**

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