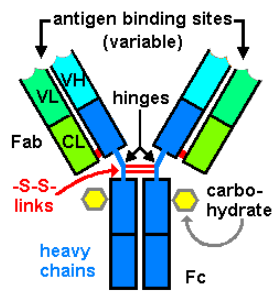


Product Data Sheet

**Mouse IgG2b isotype controls and conjugates**

□ #20102-103	Mouse IgG2b, unlabeled, isotype control	<b>Size:</b> 100 ug
□ # 20102-103-B	Mouse IgG2b-Biotin conjugate, isotype control	<b>Size:</b> 50 tests
□ # 20102-103-F	Mouse IgG2b-FITC conjugate, isotype control	<b>Size:</b> 50 tests
□ # 20102-103-HP	Mouse IgG2b-HRP conjugate, isotype control	<b>Size:</b> 50 tests
□ # 20102-103-PE	Mouse IgG2b-PE conjugate, isotype control	<b>Size:</b> 50 tests
□ # 20102-103-PC5	Mouse IgG2b-PE-Cy5 conjugate, isotype control	<b>Size:</b> 50 tests
□ # 20102-103-APC	Mouse IgG2b-APC conjugate, isotype control	<b>Size:</b> 50 tests



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.

Highly purified preparation of mouse IgG2b is supplied as unlabeled, HRP-, Biotin, FITC, and PE, Cy5 conjugates for use as isotype control or negative control for all mice monoclonal with IgG2b isotype.

**Form and Storage**

**Cat# 20102-103, unlabeled IgG2b**

IgG2b 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# 20102-103-B, Biotin-conjugate**

Purified mouse IgG2b 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# 20102-103-F, FITC-conjugate**

Purified Mouse IgG2b 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 test.

**Color:** Green

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

**Cat# 20102-103-HP, HRP-conjugate**

Purified mouse IgG2b 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# 20102-103-PE, R-phycoerythrin (R-PE) conjugate**

Purified Mouse IgG2b 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). Store at 2-8 oC 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# 20102-103-PC5, R-phycoerythrin (R-PE)-Cy5 conjugate**

Purified Mouse IgG2b 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/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.

**Cat# 20102-103-APC, Allophycocyanin conjugate**

Purified Mouse IgG2b 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.

All products are for In vitro research use only. PE/Cy™5 tandem conjugate. \*\*Cy™5, Cy™5.5 and Cy™7 are trademarks of Amersham Biosciences Corp. Cy™5, Cy™5.5 and Cy™7 are for non-commercial research use only, not for therapeutic or in vivo applications

<b>Catalog#</b>	<b>ProdDescription</b>
40123-BT	Anti-Mouse IgG2b (heavy-chain sp.)-biotin labeled
40128	Anti-Mouse IgG2b (heavy-chain sp.)-HRP Conjugate, aff pure
40123	Anti-Mouse IgG2b (heavy-chain sp.) aff pure, unlabeled
MG2b-D1-100	Mouse IgG2b FITC/IgG1 PE
MG2b-D1-25	Mouse IgG2b FITC/IgG1 PE
MG2b-D2-100	Mouse IgG2b FITC/IgG2b PE
MG2b-D2-25	Mouse IgG2b FITC/IgG2b PE
MG2bF-100	Mouse IgG2b-FITC (isotype control)
MG2bP-25	Mouse IgG2b-PE (isotype control)
MG2bPC-25	Mouse IgG2b-PE-Cy5- (isotype control)
MG2b-UL-100	Mouse IgG2b, isotype control, Unlabeled
6350	Mouse IgG2b ELISA Kit, 96 tests, Quantitative
20102-103-B	Mouse IgG2b-Biotin conjugate (isotype control)
20102-103-FP	Mouse IgG2b-FITC-PE conjugate (isotype control)
20102-103-HP	Mouse IgG2b-HRP conjugate (isotype control)
20102-103-F	Mouse IgG2b-FITC conjugate (isotype control)
20102-103	Mouse IgG2b isotype control, purified

20102-103-con 160219SV

**India Contact:**

**Life Technologies (India) Pvt. Ltd.**

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444  
Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com) Website: [www.lifetechindia.com](http://www.lifetechindia.com)