ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Mouse IgG2a isotype controls and conjugates

□ **#**20102-102	Mouse IgG2a, unlabeled, isotype control	**Size**: 100 ug
□ **#** 20102-102-B	Mouse IgG2a-Biotin conjugate, isotype control	**Size**: 50 tests
□ **#** 20102-102-F	Mouse IgG2a-FITC conjugate, isotype control	**Size**: 50 tests
□ **#** 20102-102-HP	Mouse IgG2a-HRP conjugate, isotype control	**Size**: 50 tests
□ **#** 20102-102-PE	Mouse IgG2a-PE conjugate, isotype control	**Size**: 50 tests
□ **#** 20102-102-PC5	Mouse IgG2a-PE-Cy5 conjugate, isotype control	**Size**: 50 tests
□ **#** 20102-102-APC	Mouse IgG2a-APC conjugate, isotype control	**Size**: 50 tests

Description

Highly purified preparation of mouse IgG2ak is supplied as unlabeled, HRP-, Biotin, FITC, and PE, Cy5 conjugates for use as isotype control or negative control for all mice monoclonal with IgG2a isotype.

Form and Storage

Cat# 20102-102, unlabeled IgG2a

IgG2a 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# 20102-102-B, Biotin-conjugate

Purified mouse IgG2a 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. conc 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# 20102-102-F, FITC-conjugate

Purified Mouse IgG2a 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# 20102-102-HP, HRP-conjugate

Purified mouse IgG2a 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** (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# 20102-102-PE, R-phycoeryhtin (R-PE) conjugate

Purified Mouse IgG2a 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. conc 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 10^6 cell for Flow cytometry or as optimized for a given tests.
Color: Red
Absorption: 488 nm **Emission**: 575 nm

Cat# 20102-102-PC5, R-phycoerythrin (R-PE)-Cy5 conjugate

Purified Mouse IgG2a 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. conc 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 10^6 cell for Flow cytometry or as optimized for a given tests.

Cat# 20102-102-APC, Allophycocyanin conjugate

Purified Mouse IgG2a 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. conc 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 10^6 cell for Flow cytometry or as optimized for a given tests.

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Mouse IgG (IgG2a-3), IgA, IgM, and IgE ELISA kits

20102-102-con 130711A

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