



Mouse IgG_{2a} Isotype Control

Cat. No.	Form	Quantity
0103-01	Purified (UNLB) Antibody	1.0 mg
0103-02	Fluorescein (FITC) Conjugate	100 tests
0103-04	Alkaline Phosphatase (AP) Conjugate	1.0 mL
0103-05	Horseradish Peroxidase (HRP) Conjugate	1.0 mL
0103-08	Biotin (BIOT) Conjugate	0.5 mg
0103-09	R-phycoerythrin (PE) Conjugate	100 tests
0103-10	R-phycoerythrin-Texas Red [®] (PE-TXRD) Conjugate	100 tests
0103-11	Allophycocyanin (APC) Conjugate	100 tests
0103-13	*Spectral Red [™] (SPRD) Conjugate	100 tests
0103-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
0103-15	**Cyanine 5 (CY [™] 5) Conjugate	100 tests
0103-16	**R-phycoerythrin-Cyanine 5.5 (PE-CY [™] 5.5) Conjugate	100 tests
0103-17	**R-phycoerythrin-Cyanine 7 (PE-CY [™] 7) Conjugate	100 tests
0103-18	**Allophycocyanin-Cyanine 5.5 (APC-CY [™] 5.5) Conjugate	100 tests
0103-19	** Allophycocyanin –Cyanine 7 (APC-CY [™] 7) Conjugate	100 tests
0103-30	**Alexa Fluor 488 (AF488) Conjugate	100 tests
0103-31	**Alexa Fluor 647 (AF647) Conjugate	100 tests

DESCRIPTION

Clone	HOPC-1
Ig Isotype	Mouse IgG _{2a} λ
Specificity	Unknown

RESEARCH APPLICATIONS

- Flow cytometry
- Enzyme-Linked-Immunosorbent-Assay (ELISA)
- Fluorescent-Linked-Immunosorbent-Assay (FLISA)

CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested by ELISA, FLISA, and/or flow cytometry for conformance to characteristics of a standard reference reagent.

WORKING DILUTIONS

Flow Cytometry:	Purified antibody	≤1 µg/10 ⁶ cells
	Fluorescein conjugate	10 µL/10 ⁶ cells
	Biotin conjugate	≤1 µg/10 ⁶ cells
	PE and APC conjugates	10 µL/10 ⁶ cells
	PE/TXRD conjugate	10 µL/10 ⁶ cells
	Spectral Red [™] conjugate	10 µL/10 ⁶ cells
	Cyanine 5 conjugate	10 µL/10 ⁶ cells
	PE/CY [™] 5.5 and PE/CY [™] 7 conjugates	10 µL/10 ⁶ cells
	APC/CY [™] 5.5 and APC/CY [™] 7 conjugates	10 µL/10 ⁶ cells
	AF488 and AF647 conjugates	10 µL/10 ⁶ cells

ELISA:	Purified antibody	1-5µg/mL
	AP conjugate	1:2,000-1:4,000
	HRP conjugate	1:2,000-1:4,000

Other Applications: Since applications vary, each investigator should determine the optimum working dilutions of the product that is appropriate for their specific needs.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 1.0 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC), Alexa Fluor 488 (AF488), Alexa Fluor 647 (AF647), and Cyanine 5 (CYTM5) conjugates are supplied as 100 tests in 1.0 mL PBS/NaN₃. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50mM Tris/1mM MgCl₂/50% Glycerol, pH 8.0, containing 0.1% NaN₃ as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral RedTM (SPRD), R-phycoerythrin -Texas Red[®] (PE-TXRD), R-phycoerythrin-Cyanine 5.5 (PE-CYTM5.5), R-phycoerythrin-Cyanine 7 (PE-CYTM7), Allophycocyanin-Cyanine 5.5 (APC-CYTM5.5) and Allophycocyanin-Cyanine 7 (APC-CYTM7) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. **Aliquot and store at or below -20°C.**
- With the exception of the low endotoxin, azide-free product, the vials should be stored at 2-8°C. Conjugated forms should **not** be frozen and should be protected from prolonged exposure to light. Aliquot and freeze the low endotoxin, azide-free product at -20°C immediately upon receipt. Each reagent is stable for the period shown on the bottle label if stored as directed.

WARNING

Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

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