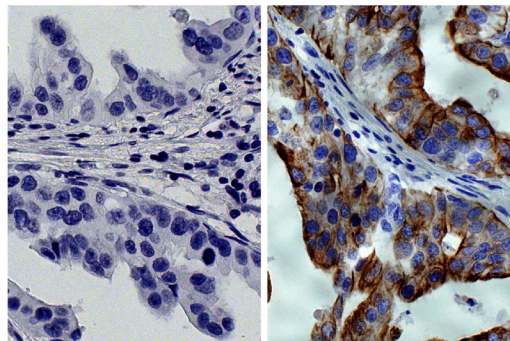




## Mouse IgG<sub>2a</sub> Isotype Control

Cat. No.	Format	Size
0103-01	Purified (UNLB)	1.0 mg
0103-02	Fluorescein (FITC)	100 tests
0103-04	Alkaline Phosphatase (AP)	1.0 mL
0103-05	Horseradish Peroxidase (HRP)	1.0 mL
0103-08	Biotin (BIOT)	0.5 mg
0103-09	R-phycoerythrin (PE)	100 tests
0103-10	R-phycoerythrin-Texas Red <sup>®</sup> (PE/TXRD)	100 tests
0103-11	Allophycocyanin (APC)	100 tests
0103-13	Spectral Red <sup>®</sup> (SPRD)	100 tests
0103-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
0103-15	Cyanine 5 (CY5)	100 tests
0103-17	R-phycoerythrin-Cyanine 7 (PE/CY7)	100 tests
0103-18	Allophycocyanin-Cyanine 5.5 (APC/CY5.5)	100 tests
0103-19	Allophycocyanin-Cyanine 7 (APC/CY7)	100 tests
0103-26	Pacific Blue <sup>™</sup> (PACBLU)	100 tests
0103-27	Alexa Fluor <sup>®</sup> 700 (AF700)	100 tests
0103-30	Alexa Fluor <sup>®</sup> 488 (AF488)	100 tests
0103-31	Alexa Fluor <sup>®</sup> 647 (AF647)	100 tests



Paraffin embedded human gastric cancer tissue was stained with Mouse IgG<sub>2a</sub>-HRP isotype control (SB Cat. No. 0103-05; left) and Mouse Anti-Cytokeratin 8-HRP (SB Cat. No. 10080-05; right) followed by DAB and hematoxylin.

### Overview

<b>Clone</b>	HOPC-1
<b>Isotype</b>	Mouse IgG <sub>2a</sub> λ
<b>Specificity</b>	Unknown

### Applications

FC – Quality tested <sup>6-12</sup>  
 ELISA – Quality tested <sup>1-5</sup>  
 FLISA – Quality tested  
 IHC-FS – Reported in literature <sup>13,14</sup>  
 IHC-PS <sup>20</sup>  
 ICC – Reported in literature <sup>15,21</sup>  
 WB – Reported in literature <sup>17</sup>  
 IP – Reported in literature <sup>15,16</sup>  
*In vitro* control – Reported in literature <sup>7,8,17</sup>  
*In vivo* control – Reported in literature <sup>17,18</sup>

### Working Dilutions

<b>Flow Cytometry</b>	Purified (UNLB) antibody	≤ 1 μg/10 <sup>6</sup> cells
	BIOT conjugate	≤ 1 μg/10 <sup>6</sup> cells
	FITC, PE, PE/TXRD, APC, SPRD, CY5, PE/CY7, APC/CY5.5, APC/CY7, PACBLU, AF488, AF647, and AF700 conjugates	10 μL/10 <sup>6</sup> cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL	
<b>ELISA</b>	Purified (UNLB) antibody	1 - 5 μg/mL
	AP and HRP conjugates	1:2,000 – 1:4,000
<b>Other Applications</b>	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

**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 borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC), Cyanine 5 (CY5), Alexa Fluor® 488 (AF488), Alexa Fluor® 647 (AF647), Alexa Fluor® 700 (AF700), and Pacific Blue™ (PACBLU) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL in a stock solution of 50 mM Tris/1 mM MgCl<sub>2</sub>/50% glycerol, pH 8.0, containing NaN<sub>3</sub> as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution of 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/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red® (SPRD), R-phycoerythrin-Texas Red® (PE/TXRD), R-phycoerythrin-Cyanine 7 (PE/CY7), allophycocyanin-Cyanine 5.5 (APC/CY5.5) and allophycocyanin-Cyanine 7 (APC/CY7) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN<sub>3</sub> 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.**
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

## Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

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TB0103

20-Jan-20

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