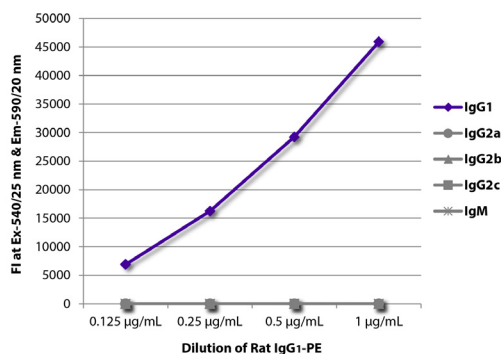




## Rat IgG<sub>1</sub> Isotype Control

Cat. No.	Format	Size
0116-01	Purified (UNLB)	0.5 mg
0116-02	Fluorescein (FITC)	0.5 mg
0116-04	Alkaline Phosphatase (AP)	1.0 mL
0116-05	Horseradish Peroxidase (HRP)	1.0 mL
0116-08	Biotin (BIOT)	0.5 mg
0116-09	R-phycoerythrin (PE)	0.1 mg
0116-11	Allophycocyanin (APC)	0.1 mg
0116-13	Spectral Red <sup>®</sup> (SPRD)	0.1 mg
0116-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
0116-17	R-phycoerythrin-Cyanine 7 (PE/CY7)	0.1 mg
0116-18	Allophycocyanin-Cyanine 5.5 (APC/CY5.5)	0.1 mg
0116-19	Allophycocyanin-Cyanine 7 (APC/CY7)	0.1 mg
0116-26	Pacific Blue <sup>™</sup> (PACBLU)	0.1 mg
0116-30	Alexa Fluor <sup>®</sup> 488 (AF488)	0.1 mg
0116-31	Alexa Fluor <sup>®</sup> 647 (AF647)	0.1 mg



FLISA plate was coated with Mouse Anti-Rat IgG<sub>1</sub>-UNLB (SB Cat. No. 3061-01), Mouse Anti-Rat IgG<sub>2a</sub>-UNLB (SB Cat. No. 3065-01), Mouse Anti-Rat IgG<sub>2b</sub>-UNLB (SB Cat. No. 3070-01), Mouse Anti-Rat IgG<sub>2c</sub>-UNLB (SB Cat. No. 3075-01), and Mouse Anti-Rat IgM-UNLB (SB Cat. No. 3080-01). Serially diluted Rat IgG<sub>1</sub>-PE (SB Cat. No. 0116-09) was captured and fluorescence intensity quantified.

## Overview

<b>Clone</b>	KLH/G1-2-2
<b>Isotype</b>	Rat IgG <sub>1κ</sub>
<b>Specificity</b>	KLH

## Applications

FC – Quality tested<sup>1-3</sup>  
 ELISA – Quality tested  
 FLISA – Quality tested  
 ICC – Reported in literature<sup>3,4</sup>  
 Block – Reported in literature<sup>5</sup>  
*In vitro* control – Reported in literature<sup>6-8</sup>  
*In vivo* control – Reported in literature<sup>8-14</sup>

## Working Dilutions

<b>Flow Cytometry</b>	FITC, BIOT, AF488, and PACBLU conjugates	≤ 1 µg/10 <sup>6</sup> cells
	PE, APC, SPRD, PE/CY7, APC/CY5.5, APC/CY7, and AF647 conjugates	≤ 0.2 µg/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 µg/mL
	AP conjugate	1:2,000 – 1:4,000
	HRP conjugate	1:4,000 – 1:8,000
<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 0.5 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) conjugate is supplied as 0.5 mg 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 0.1 mg 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<sup>®</sup> (SPRD), R-phycoerythrin-Cyanine 7 (PE/CY7), allophycocyanin-Cyanine 5.5 (APC/CY5.5), and allophycocyanin-Cyanine 7 (APC/CY7) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Pacific Blue™ (PACBLU), Alexa Fluor<sup>®</sup> 488 (AF488), and Alexa Fluor<sup>®</sup> 647 (AF647) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- 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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Spectral Red<sup>®</sup> is a PE/CY5 tandem conjugate.

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