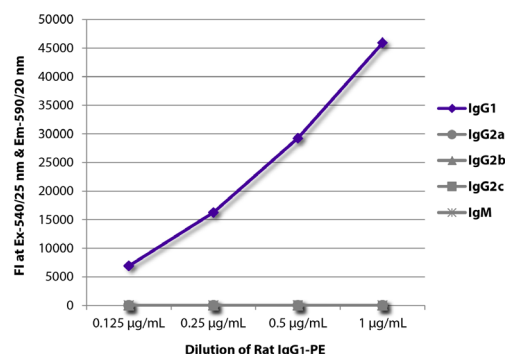




Rat IgG₁ Isotype Control

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® (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™ (PACBLU)	0.1 mg
0116-30	Alexa Fluor® 488 (AF488)	0.1 mg
0116-31	Alexa Fluor® 647 (AF647)	0.1 mg



FLISA plate was coated with Mouse Anti-Rat IgG₁-UNLB (SB Cat. No. 3061-01), Mouse Anti-Rat IgG_{2a}-UNLB (SB Cat. No. 3065-01), Mouse Anti-Rat IgG_{2b}-UNLB (SB Cat. No. 3070-01), Mouse Anti-Rat IgG_{2c}-UNLB (SB Cat. No. 3075-01), and Mouse Anti-Rat IgM-UNLB (SB Cat. No. 3080-01). Serially diluted Rat IgG₁-PE (SB Cat. No. 0116-09) was captured and fluorescence intensity quantified.

Overview

Clone	KLH/G1-2-2
Isotype	Rat IgG _{1κ}
Specificity	KLH

Applications

FC – Quality tested ¹⁻³
 ELISA – Quality tested
 FLISA – Quality tested
 ICC – Reported in literature ^{3,4}
 Block – Reported in literature ⁵
In vitro control – Reported in literature ⁶⁻⁸
In vivo control – Reported in literature ⁸⁻¹⁴

Working Dilutions

Flow Cytometry	FITC, BIOT, AF488, and PACBLU conjugates	≤ 1 µg/10 ⁶ cells
	PE, APC, SPRD, PE/CY7, APC/CY5.5, APC/CY7, and AF647 conjugates	≤ 0.2 µg/10 ⁶ cells
For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL		
ELISA	Purified (UNLB) antibody	≤ 1 µg/mL
	AP conjugate	1:2,000 – 1:4,000
	HRP conjugate	1:4,000 – 1:8,000
Other Applications	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/NaN₃. 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 MgCl₂/50% glycerol, pH 8.0, containing 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 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/NaN₃. 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/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red® (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/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Pacific Blue™ (PACBLU), Alexa Fluor® 488 (AF488), and Alexa Fluor® 647 (AF647) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN₃. 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. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- 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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