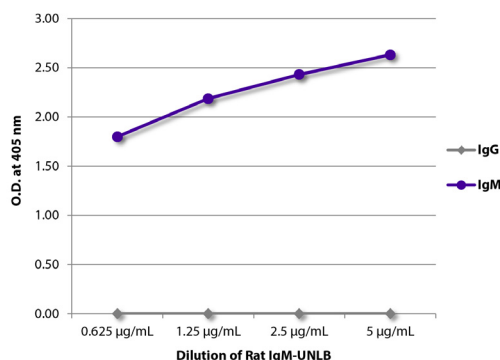




## Rat IgM Isotype Control

Cat. No.	Format	Size
0120-01	Purified (UNLB)	0.5 mg
0120-02	Fluorescein (FITC)	0.5 mg
0120-08	Biotin (BIOT)	0.5 mg
0120-09	R-phycoerythrin (PE)	0.1 mg
0120-11	Allophycocyanin (APC)	0.1 mg
0120-13	Spectral Red <sup>®</sup> (SPRD)	0.1 mg
0120-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
0120-22	Fluorescein-5-maleimide (FLMA)	0.5 mg



ELISA plate was coated with serially diluted Rat IgM-UNLB (SB Cat. No. 0120-01). Immunoglobulin was detected with Goat Anti-Rat IgG-BIOT (SB Cat. No. 3030-08) and Goat Anti-Rat IgM-BIOT (SB Cat. No. 3020-08) followed by Streptavidin-HRP (SB Cat No. 7100-05) and quantified.

### Overview

<b>Clone</b>	NIP/M-2
<b>Isotype</b>	Rat IgM $\lambda$
<b>Specificity</b>	NIP

### Applications

FC – Quality tested <sup>1-5</sup>  
 ELISA – Quality tested  
 FLISA – Quality tested  
 IHC-PS <sup>6</sup>

### Working Dilutions

<b>Flow Cytometry</b>	FITC, FLMA, and BIOT conjugates	$\leq 1 \mu\text{g}/10^6$ cells
	PE, APC, and SPRD conjugates	$\leq 0.1 \mu\text{g}/10^6$ cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100  $\mu\text{L}$ .

**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

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- 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) and fluorescein-5-maleimide (FLMA) conjugates are supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°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) conjugate is 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 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

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

## References

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1. Zhang X, Li W, Wu Y, Gao M. Amelioration of doxorubicin-induced myocardial oxidative stress and immunosuppression by grape seed proanthocyanidins in tumour-bearing mice. *J Pharm Pharmacol.* 2005;57:1043-51. (FC)
2. Zhang X, Li W, Wu Y, Zheng T, Li W, Qu S, et al. Proanthocyanidin from grape seeds potentiates anti-tumor activity of doxorubicin via immunomodulatory mechanism. *Int Immunopharmacol.* 2005;5:1247-57. (FC)
3. Chu VT, Enghard P, Riemekasten G, Berek C. In vitro and in vivo activation induces BAFF and APRIL expression in B cells. *J Immunol.* 2007;179:5947-57. (FC)
4. Chu VT, Enghard P, Schürer S, Steinhäuser G, Rudolph B, Riemekasten G, et al. Systemic activation of the immune system induces aberrant BAFF and APRIL expression in B cells in patients with systemic lupus erythematosus. *Arthritis Rheum.* 2009;60:2083-93. (FC)
5. Silvescu CI, Sackstein R. G-CSF induces membrane expression of a myeloperoxidase glycovariant that operates as an E-selectin ligand on human myeloid cells. *Proc Natl Acad Sci USA.* 2014;111:10696-701. (FC)
6. SouthernBiotech unpublished data (IHC-PS)

Spectral Red<sup>®</sup> is a registered trademark of Southern Biotechnology Associates, Inc.

Spectral Red<sup>®</sup> is a PE/CY5 tandem conjugate.

Cy<sup>®</sup> is a registered trademark of GE Healthcare.