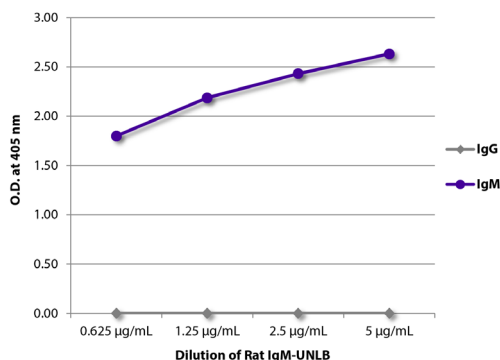




Rat IgM Isotype Control

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® (SPRD)	0.1 mg
0120-14	Low Endotoxin, Azide-Free (LE/AF)	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

Clone	NIP/M-2
Isotype	Rat IgM λ
Specificity	NIP

Applications

FC – Quality tested ¹⁻⁵
 ELISA – Quality tested
 FLISA – Quality tested
 IHC-PS ⁶

Working Dilutions

Flow Cytometry	FITC 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 μL .

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 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) conjugate is 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 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.

References

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, Steinhauser 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)

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Spectral Red® is a PE/CY5 tandem conjugate.

Cy™ is a trademark of Cytiva or one of its subsidiaries.