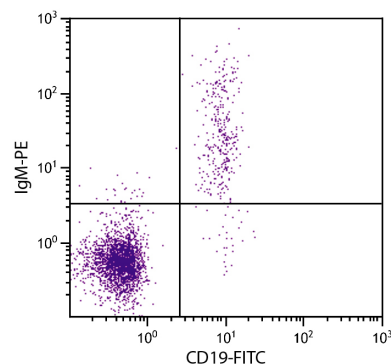




Mouse Anti-Human IgM

Cat. No.	Format	Size
9022-01	Purified (UNLB)	0.5 mg
9022-02	Fluorescein (FITC)	0.5 mg
9022-04	Alkaline Phosphatase (AP)	1.0 mL
9022-05	Horseradish Peroxidase (HRP)	1.0 mL
9022-08	Biotin (BIOT)	0.5 mg
9022-09	R-phycoerythrin (PE)	0.1 mg
9022-13	Spectral Red® (SPRD)	0.1 mg
9022-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg



Human peripheral blood lymphocytes were stained with Mouse Anti-Human IgM-PE (SB Cat. No. 9022-09) and Mouse Anti-Human CD19-FITC (SB Cat. No. 9340-02).

Overview

Clone	UHB
Isotype	Mouse IgG _{3κ}
Immunogen	Unknown
Specificity	Human IgM; Mr 900 kDa

Applications

ELISA – Quality tested ¹
 FLISA – Quality tested
 FC – Quality tested ³
 WB ²
 Stim – Reported in literature ⁴

Working Dilutions

ELISA	AP conjugate	1:500 – 1:1,000
	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:5,000 – 1:10,000
FLISA	FITC conjugate	1:200 – 1:400
	PE conjugate	≤ 1 µg/mL
Flow Cytometry	Purified (UNLB) antibody	≤ 1 µg/10 ⁶ cells
	FITC and BIOT conjugates	≤ 1 µg/10 ⁶ cells
	PE and SPRD conjugates	≤ 0.1 µg/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.

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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) 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 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. Lang J, Kelly M, Freed BM, McCarter MD, Kedl RM, Torres RM, et al. Studies of lymphocyte reconstitution in a humanized mouse model reveal a requirement of T cells for human B cell maturation. *J Immunol.* 2013;190:2090-101. (ELISA)
2. SouthernBiotech unpublished data (WB)
3. Smith K, Garman L, Wrammert J, Zheng N, Capra JD, Ahmed R, et al. Rapid generation of fully human monoclonal antibodies specific to a vaccinating antigen. *Nature Protoc.* 2009;4:372-84. (FC)
4. Nanki T, Takada K, Komano Y, Morio T, Kanegane H, Nakajima A, et al. Chemokine receptor expression and functional effects of chemokines on B cells: implication in the pathogenesis of rheumatoid arthritis. *Arthritis Res Ther.* 2009;11:R149. (Stim)

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Spectral Red® is a PE/CY5 tandem conjugate.

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