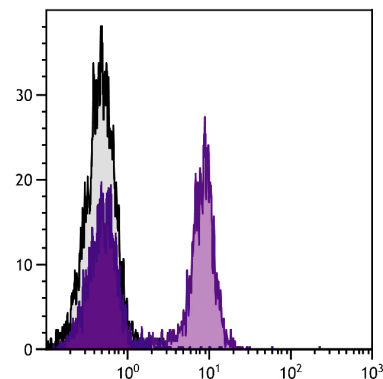




Mouse Anti-Rat IgG₁

Cat. No.	Format	Size
3060-01	Purified (UNLB)	0.5 mg
3060-02	Fluorescein (FITC)	0.5 mg
3060-05	Horseradish Peroxidase (HRP)	1.0 mL
3060-08	Biotin (BIOT)	0.5 mg
3060-09	R-phycoerythrin (PE)	0.1 mg
3060-15	Cyanine 5 (CY5)	0.1 mg



BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD22-UNLB (SB Cat. No. 1580-01) followed by Mouse Anti-Rat IgG₁-BIOT (SB Cat. No. 3060-08) and Streptavidin-FITC (SB Cat. No. 7100-02).

Overview

Clone	G17E7
Isotype	Mouse (BALB/c) IgG ₁ κ
Immunogen	Rat IgG ₁ hybridoma
Specificity	Rat IgG ₁

Applications

FC – Quality tested ¹⁻⁵
 ELISA – Quality tested ^{6,7}
 FLISA – Quality tested
 IHC-FS ⁸

Working Dilutions

Flow Cytometry	FITC and BIOT conjugates	≤ 1 µg/10 ⁶ cells
	PE and CY5 conjugates	≤ 0.1 µg/10 ⁶ cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL	
ELISA	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:5,000 – 1:20,000
FLISA	FITC conjugate	1:200 – 1:400
	PE and CY5 conjugates	≤ 1 µg/mL
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 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 Cyanine 5 (CY5) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°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.

References

1. Hondowicz BD, Alexander ST, Quinn WJ 3rd, Pagán AJ, Metzgar MH, Cancro MP, et al. The role of BLyS/BLyS receptors in anti-chromatin B cell regulation. *Int Immunol.* 2007;19:465-75. (FC)
2. Trembl LS, Carlesso G, Hoek KL, Stadanlick JE, Kambayashi T, Bram RJ, et al. TLR stimulation modifies BLyS receptor expression in follicular and marginal zone B cells. *J Immunol.* 2007;178:7531-9. (FC)
3. Crowley JE, Stadanlick JE, Cambier JC, Cancro MP. FcγRIIB signals inhibit BLyS signaling and BCR-mediated BLyS receptor up-regulation. *Blood.* 2009;113:1464-73. (FC)
4. Fink DR, Holm D, Schlosser A, Nielsen O, Latta M, Lozano F, et al. Elevated numbers of SCART1⁺ γδ T cells in skin inflammation and inflammatory bowel disease. *Mol Immunol.* 2010;47:1710-8. (FC)
5. Sang A, Niu H, Cullen J, Choi SC, Zheng YY, Wang H, et al. Activation of rheumatoid factor-specific B cells is antigen dependent and occurs preferentially outside of germinal centers in the lupus-prone NZM2410 mouse model. *J Immunol.* 2014;193:1609-21. (FC)
6. Madsen JL, Kroghsbo S, Madsen CB, Pozdnyakova I, Barkholt V, Bøgh KL. The impact of structural integrity and route of administration on the antibody specificity against three cow's milk allergens - a study in Brown Norway rats. *Clin Transl Allergy.* 2014;4:25. (ELISA)
7. Kroghsbo S, Andersen NB, Rasmussen TF, Jacobsen S, Madsen CB. Acid hydrolysis of wheat gluten induces formation of new epitopes but does not enhance sensitizing capacity by the oral route: a study in "gluten free" Brown Norway rats. *PLoS One.* 2014;9(9):e107137. (ELISA)
8. SouthernBiotech published data (IHC-FS)

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