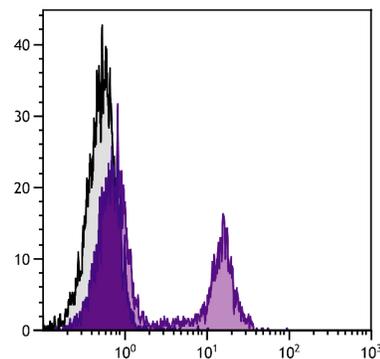




## Mouse Anti-Rat IgG<sub>1</sub>

Cat. No.	Format	Size
3061-01	Purified (UNLB)	0.5 mg
3061-02	Fluorescein (FITC)	0.5 mg
3061-04	Alkaline Phosphatase (AP)	1.0 mL
3061-05	Horseradish Peroxidase (HRP)	1.0 mL
3061-08	Biotin (BIOT)	0.5 mg
3061-09	R-phycoerythrin (PE)	0.1 mg
3061-15	Cyanine 5 (CY5)	0.1 mg
3061-30	Alexa Fluor <sup>®</sup> 488 (AF488)	0.1 mg
3061-31	Alexa Fluor <sup>®</sup> 647 (AF647)	0.1 mg
3061-32	Alexa Fluor <sup>®</sup> 555 (AF555)	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 IgG<sub>1</sub>-AF488 (SB Cat. No. 3061-30).

### Overview

<b>Clone</b>	G11C5
<b>Isotype</b>	Mouse (BALB/c) IgG <sub>2b</sub> K
<b>Immunogen</b>	Rat IgG <sub>1</sub> hybridoma
<b>Specificity</b>	Rat IgG <sub>1</sub>

### Applications

FC – Quality tested  
 ELISA – Quality tested  
 FLISA – Quality tested  
 IHC-FS – Reported in literature <sup>1,2</sup>  
 ELISPOT – Reported in literature <sup>3</sup>

### Working Dilutions

<b>Flow Cytometry</b>	FITC, BIOT, and AF488 conjugates	≤ 1 μg/10 <sup>6</sup> cells
	PE, CY5, and AF647 conjugates	≤ 0.1 μg/10 <sup>6</sup> cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL	
<b>ELISA</b>	AP conjugate	1:1,000 – 1:4,000
	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:5,000 – 1:10,000
<b>FLISA</b>	FITC and AF488 conjugates	1:200 – 1:400
	AF555 conjugate	1:100 – 1:400
	PE, CY5, and AF647 conjugates	≤ 1 μg/mL
<b>Other Applications</b>	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 antibody is supplied as 0.5 mg 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/NaN<sub>3</sub>. 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 MgCl<sub>2</sub>/50% glycerol, pH 8.0, containing NaN<sub>3</sub> 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/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (PE) 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 Cyanine 5 (CY5) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The Alexa Fluor<sup>®</sup> 488 (AF488), Alexa Fluor<sup>®</sup> 647 (AF647), and Alexa Fluor<sup>®</sup> 555 (AF555) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN<sub>3</sub>. 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

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

## References

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1. Birjandi SZ, Ippolito JA, Ramadorai AK, Witte PL. Alterations in marginal zone macrophages and marginal zone B cells in old mice. *J Immunol.* 2011;186:3441-51. (IHC-FS)
2. Bahamon E. Evidence for renewal and reconstitution of marginal zone macrophages in young and aged mice [thesis]. Chicago (IL): Loyola University Chicago; 2013. (IHC-FS)
3. Sharkar MT, Jou M, Hossain MB, Lönnerdal B, Stephensen CB, Raqib R. Prenatal zinc supplementation of zinc-adequate rats adversely affects immunity in offspring. *J Nutr.* 2011;141:1559-64. (ELISPOT)

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