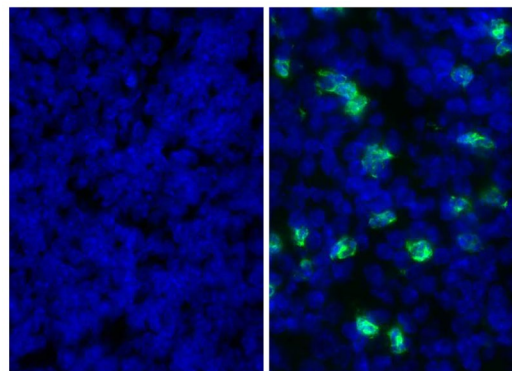




Mouse Anti-Rat IgG_{2b}

Cat. No.	Format	Size
3070-01	Purified (UNLB)	0.5 mg
3070-02	Fluorescein (FITC)	0.5 mg
3070-04	Alkaline Phosphatase (AP)	1.0 mL
3070-05	Horseradish Peroxidase (HRP)	1.0 mL
3070-08	Biotin (BIOT)	0.5 mg
3070-09	R-phycoerythrin (PE)	0.1 mg
3070-15	Cyanine 5 (CY5)	0.1 mg
3070-30	Alexa Fluor® 488 (AF488)	0.1 mg
3070-31	Alexa Fluor® 647 (AF647)	0.1 mg
3070-32	Alexa Fluor® 555 (AF555)	0.1 mg



Frozen mouse spleen tissue was stained with Rat IgG_{2b}-UNLB isotype control (SB Cat. No. 0118-01; left) and Rat Anti-Mouse Ly-6G/Ly-6C-UNLB (SB Cat. No. 1900-01; right) followed by Mouse Anti-Rat IgG_{2b}-FITC (SB Cat. No. 3070-02) and DAPI.

Overview

Clone	2B10A8
Isotype	Mouse (BALB/c) IgG _{2b} K
Immunogen	Rat IgG _{2b} hybridoma
Specificity	Rat IgG _{2b}

Applications

FC – Quality tested ¹⁻⁴
 ELISA – Quality tested ^{5,6}
 FLISA – Quality tested
 IHC-FS ⁷
 WB ⁸

Working Dilutions

Flow Cytometry	FITC, BIOT, and AF488 conjugates	≤ 0.3 µg/10 ⁶ cells
	PE, CY5, and AF647 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	AP conjugate	1:1,000 – 1:4,000
	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:5,000 – 1:10,000
FLISA	FITC, AF488, and AF555 conjugates	1:200 – 1:400
	PE, CY5, and AF647 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 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 Alexa Fluor® 488 (AF488), Alexa Fluor® 647 (AF647), and Alexa Fluor® 555 (AF555) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN₃. Store at 2-8°C.
- 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. Piaggio E, Mars LT, Cassan C, Cabarrocas J, Hofstätter M, Desbois S, et al. Multimerized T cell epitopes protect from experimental autoimmune diabetes by inducing dominant tolerance. *Proc Natl Acad Sci USA*. 2007;104:9393-8. (FC)
2. Vanden Bush TJ, Buchta CM, Claudio J, Bishop GA. Cutting Edge: Importance of IL-6 and cooperation between innate and adaptive immune receptors in cellular vaccination with B lymphocytes. *J Immunol*. 2009;183:4833-7. (FC)
3. Troeger C, Perahud I, Moser S, Holzgreve W. Transplacental traffic after in utero mesenchymal stem cell transplantation. *Stem Cells Dev*. 2010;19:1385-92. (FC)
4. Ge W, Jiang J, Liu W, Lian D, Saito A, Garcia B, et al. Regulatory T cells are critical to tolerance induction in presensitized mouse transplant recipients through targeting memory T cells. *Am J Transplant*. 2010;10:1760-73. (FC)
5. Du F, Lü L, Fu Q, Dai M, Teng J, Fan W, et al. T-614, a novel immunomodulator, attenuates joint inflammation and articular damage in collagen-induced arthritis. *Arthritis Res Ther*. 2008;10:R136. (ELISA)
6. Pastor M, Esquisabel A, Marquínez I, Talavera A, Pedraz JL. Cellulose acetate phthalate microparticles containing *Vibrio cholerae*: steps toward an oral cholera vaccine. *J Drug Target*. 2014;22:478-87. (ELISA)
7. SouthernBiotech published data
8. SouthernBiotech unpublished data

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