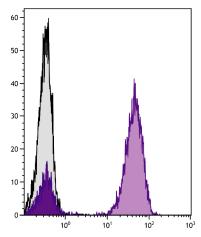
SouthernBiotech 1



Rat Anti-Mouse IgG₁

Cat. No.	Format	Size
1144-01	Purified (UNLB)	0.5 mg
1144-02	Fluorescein (FITC)	0.5 mg
1144-04	Alkaline Phosphatase (AP)	1.0 mL
1144-05	Horseradish Peroxidase (HRP)	1.0 mL
1144-08	Biotin (BIOT)	0.5 mg
1144-09	R-phycoerythrin (PE)	0.1 mg
1144-30	Alexa Fluor® 488 (AF488)	0.1 mg
1144-31	Alexa Fluor® 647 (AF647)	0.1 mg
1144-32	Alexa Fluor® 555 (AF555)	0.1 mg



Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD3-UNLB followed by Rat Anti-Mouse IgG1-PE (SB Cat. No. 1144-09).

Overview

SB77e Clone

Isotype Rat (Sprague Dawley) IgG_{2b}κ

Immunogen Unknown **Specificity** Mouse IgG₁ Fc

Minimal reactivity to human, goat, and rabbit IgG and human, rat, hamster, bovine, horse, goat, sheep,

chicken, guinea pig, donkey, and rabbit serum

Applications

FC – Quality tested 1-5

ELISA – Quality tested ⁶⁻²³

FLISA - Quality tested

IHC-FS – Reported in literature 24

IHC-PS - Reported in literature ²⁵

ICC – Reported in literature ²⁶ WB – Reported in literature ²⁷

Working Dilutions

Flow Cytometry	FITC, BIOT, and AF488 conjugates PE and AF647 conjugates	$\leq 1.0 \ \mu g/10^6 \text{ cells}$ $\leq 0.1 \ \mu g/10^6 \text{ cells}$	
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 μ L		
ELISA	AP conjugate	1:1,000 – 1:4,000	
	HRP conjugate	1:4,000 - 1:8,000	
	BIOT conjugate	1:5,000 - 1:20,000	
FLISA	FITC, AF488, and AF555 conjugates	1:100 – 1:400	
	PE 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 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) and biotin (BIOT) conjugates are 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 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**
- The Alexa Fluor[®] 488 (AF488), Alexa Fluor[®] 555 (AF555), and Alexa Fluor[®] 647 (AF647) conjugates are supplied as 0.1 mg in 0.2 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.

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