



Rat Anti-Mouse IgG₁

| <u>Cat. No.</u> | <u>Form</u> | <u>Quantity</u> |
|-----------------|--|-----------------|
| 1144-01 | Purified (UNLB) Antibody | 0.5 mg |
| 1144-02 | Fluorescein (FITC) Conjugate | 0.5 mg |
| 1144-04 | Alkaline Phosphatase (AP) Conjugate | 1.0 mL |
| 1144-05 | Horseradish Peroxidase (HRP) Conjugate | 1.0 mL |
| 1144-08 | Biotin (BIOT) Conjugate | 0.5 mg |
| 1144-09 | R-phycoerythrin (R-PE) Conjugate | 0.1 mg |

DESCRIPTION

Clone: SB77e
Isotype: Rat IgG_{2b}
Specificity: Reacts with Mouse IgG₁ as demonstrated by ELISA. Minimal reaction to Human, Goat and Rabbit IgG.

RESEARCH APPLICATIONS

- Enzyme-Linked-Immunosorbent-Assay (ELISA)
- Flow Cytometry

CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested by ELISA and/or Flow Cytometry to conform to the characteristics of a standard reference reagent.

WORKING DILUTIONS

ELISA:

| | |
|-------------------|------------------|
| Purified Antibody | 1–10 µg/mL |
| AP Conjugate | 1:500-1:1,000 |
| HRP Conjugate | 1:4,000-1:8,000 |
| BIOT Conjugate | 1:5,000-1:20,000 |

Immunofluorescence:

| | |
|----------------|--------------------------------|
| FITC Conjugate | ≤ 1.0 µg/10 ⁶ cells |
| RPE Conjugate | ≤ 0.1 µg/10 ⁶ cells |

Other Applications: Since applications vary, you should determine the optimum working dilution of the product that is appropriate for your specific need.

For Research Purposes Only. Not for Use in Diagnostic or Therapeutic Applications.

HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50mM Tris/1mM MgCl₂/50% Glycerol, pH 8.0, containing 0.1% 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 of stock solution in 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The fluorescein (FITC) and biotin (BIOT) conjugates are supplied as 0.5 mg in 1.0 mL PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (R-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!**
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

WARNING

Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.