**Mouse Anti-Rat IgG₁**

### Overview

**Clone**
G17E7

**Isotype**
Mouse (BALB/c) IgG₁κ

**Immunogen**
Rat IgG₁ hybridoma

**Specificity**
Rat IgG₁

### 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/10⁶ cells
  - PE and CY5 conjugates
    - ≤ 0.1 µg/10⁶ 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.
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/NaNO₃. 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/NaNO₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaNO₃ 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/NaNO₃. 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

8. SouthernBiotech published data (IHC-FS)

Cy5 is a registered trademark of GE Healthcare.