

# Product Data Sheet

## PE anti-mouse CD21/CD35 (CR2/CR1)

**Catalog # / Size:** 123409 / 50 µg  
123410 / 200 µg

**Clone:** 7E9

**Isotype:** Rat IgG2a, κ

**Immunogen:** CD35/CFA

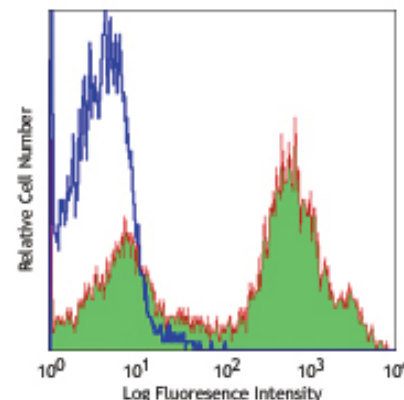
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.2 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



C57BL/6 mouse splenocytes stained with 7E9 PE

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is  $\leq 0.25$  µg per  $10^6$  cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application References:** 1. Boackle S, *et al.* 2001 *Immunity* 15:775.

**Description:** CD21, also known as CR2 (complement receptor 2) and C3d receptor, binds C3d and iC3b. It is also a receptor of Epstein-Barr virus. CD35, also known as CR1, binds C3b, iC3b, C4b, and iC4b. CD21/CD35 is primarily expressed on B lymphocytes, mast cells, follicular dendritic cells, macrophages, and activated granulocytes. CD21/CD35 forms part of the B-cell antigen receptor complex with CD19 and CD81 and is involved in signal transduction.

**Antigen References:** 1. Kozono Y, *et al.* 1998. *J. Immunol.* 160:1562.  
2. Shimizu I, *et al.* 2007. *Blood* 109:1773.  
3. Roozendaal R and MC. Carroll. 2007. *Immunol. Rev.* 219:157.

### Related Products:

**Product**  
Cell Staining Buffer  
PE Rat IgG2a, κ Isotype Ctrl  
TruStain fcX™ (anti-mouse CD16/32)

### Clone

RTK2758  
93

### Application

FC, ICC, ICFC  
FC, ICFC  
FC



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