

# PE/Dazzle™ 594 anti-mouse CD21/CD35 (CR2/CR1)

**Catalog # / Size:** 1217195 / 25 µg

**Clone:** 7E9

**Isotype:** Rat IgG2a, κ

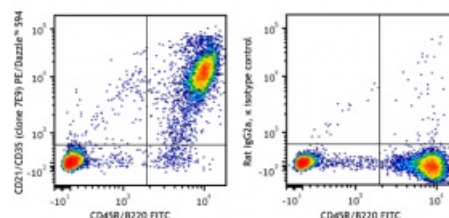
**Immunogen:** CD35/CFA

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions.

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

**Concentration:** 0.2 mg/mL



C57BL/6 splenocytes were stained with CD45R/B220 FITC and CD21/CD35 (CR2/CR1) (clone 7E9) PE/Dazzle™ 594 (left) or rat IgG2a, κ isotype control PE/Dazzle™ 594 (right).

## Applications:

**Applications:** Flow Cytometry

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

\* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

- Application References:**
1. Boackle S, *et al.* 2001 *Immunity* 15:775.
  2. de Andres B, *et al.* 2012. *J. Immunol.* 189:2300. [PubMed](#)
  3. Chiu YK, *et al.* 2014. *J Immunol.* 193:2207. [PubMed](#)
  4. Koenig PA, *et al.* 2014. *J Biol Chem.* 289:34490. [PubMed](#)

**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.