

**Alexa Fluor® 647 anti-mouse CD21/CD35 (CR2/CR1)**

**Catalog # / Size:** 1217115 / 25 µg  
1217120 / 100 µg

**Clone:** 7E9

**Isotype:** Rat IgG2a, κ

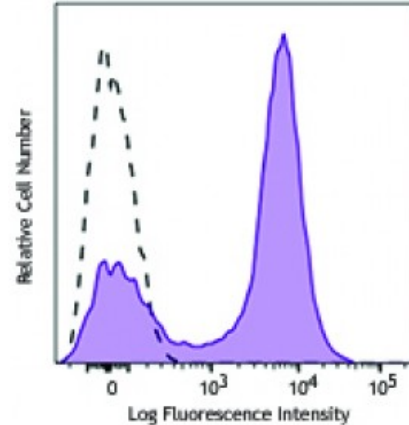
**Immunogen:** CD35/CFA

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.

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

**Concentration:** 0.2



C57BL/6 splenocytes stained with CD21/CD35 (clone 7E9) Alexa Fluor® 647 (filled histogram) or rat IgG2a, κ Alexa Fluor® 647 isotype control (open histogram).

**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 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

**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.