

Alexa Fluor® 700 anti-mouse CD21/CD35 (CR2/CR1)

Catalog # / Size: 1217155 / 25 µg

Clone: 7E9

Isotype: Rat IgG2a, κ

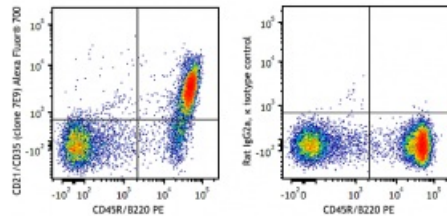
Immunogen: CD35/CFA

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 700 under optimal conditions.

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

Concentration: 0.5 mg/mL



C57BL/6 splenocytes were stained with CD45R/B220 PE and CD21/CD35 (CR2/CR1) (clone 7E9) Alexa Fluor® 700 (left) or rat IgG2a, κ isotype control Alexa Fluor® 700 (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 ≤ 1.0 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.

- 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.