

FITC anti-mouse CD21/CD35 (CR2/CR1)

Catalog # / Size: 1217040 / 500 µg
1217035 / 50 µg

Clone: 7E9

Isotype: Rat IgG2a, κ

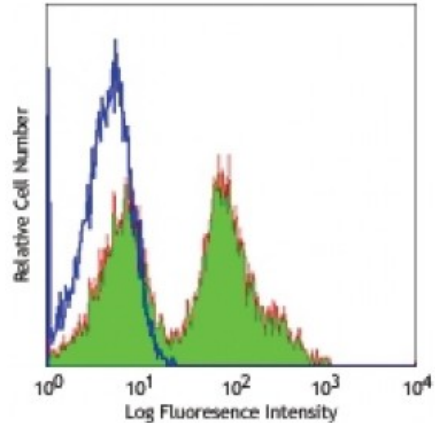
Immunogen: CD35/CFA

Reactivity: Mouse

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

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

Concentration: 0.5



C57BL/6 mouse splenocytes stained with 7E9 FITC

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 10^6 cells in 100 microL 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.
2. Xu M, *et al.* 2013. *J. Immunol.* 190:5436. [PubMed](#)
3. Hamilton JA, *et al.* 2015. *J Immunol.* 194:5022. [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.