

Product Data Sheet

LEAF™ Purified anti-mouse CD21/CD35 (CR2/CR1)

Catalog # / Size: 123404 / 500 µg

Clone: 7E9

Isotype: Rat IgG2a, κ

Immunogen: CD35/CFA

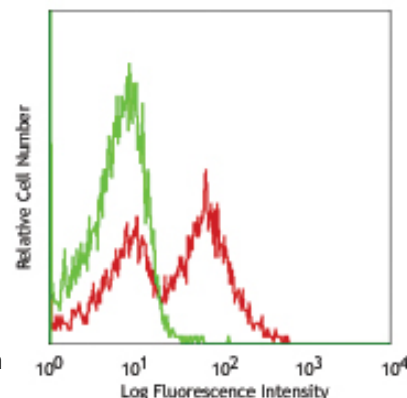
Reactivity: Mouse

Preparation: The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

Formulation: 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

Concentration: 1.0 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



C57BL/6 mouse splenocytes stained with LEAF™ purified 7E9, followed by anti-rat IgG FITC

Applications:

Applications: FC - *Quality tested*
 FA - *Reported in the literature*

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 ≤ 0.25 µg per 10⁶ 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**
 LEAF™ Purified Rat IgG2a, κ Isotype Ctrl

Clone
 RTK2758

Application
 FC, ICFC, WB, IP, ICC, IF,
 IHC, FA



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