

## Alexa Fluor® 488 anti-mouse CD20

**Catalog # / Size:** 1352155 / 25 µg

**Clone:** SA275A11

**Isotype:** Rat IgG2b, κ

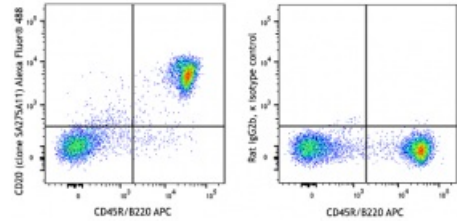
**Immunogen:** Mouse CD20 - transfected cells

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 488 under optimal conditions.

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

**Concentration:** 0.5 mg/mL



C57BL/6 mouse splenocytes were stained with CD45R/B220 APC and anti-mouse CD20 (clone SA275A11) Alexa Fluor® 488 (left) or rat IgG2b, κ Alexa Fluor® 488 isotype control (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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.

**Description:** CD20 is a 33-37 kD protein, a member of the MS4A family, with four transmembrane spanning regions that present as a homo-oligomeric complexes in the cell surface when associating with MHC class I and II, CD53, CD81, and CD82. CD20 is expressed on B cells and a subset of T cells, but not on plasma cells. CD20 regulates B-cell activation and proliferation. Its ligation promotes transmembrane Ca<sup>2+</sup> trafficking. CD20 is an important therapeutic target in the treatment of B cell lymphomas and leukemias.

**Antigen References:**

1. Morsy DE, *et al.* 2013. *J. Immunol.* 191:3112.
2. Lund FE, Randall TD. 2010. *Nat. Rev. Immunol.* 10:236.
3. Beers SA, *et al.* 2010. *Blood* 115:5191.
4. Kuijpers TW, *et al.* 2010. *J. Clin. Invest.* 120:214.