SONY

Product Data Sheet

PerCP/Cy5.5 anti-mouse CD20

Catalog # / Size: 1352110 / 100 µg
1352105 / 25 µg

Clone: SA275A11

Isotype: Rat IgG2b, κ

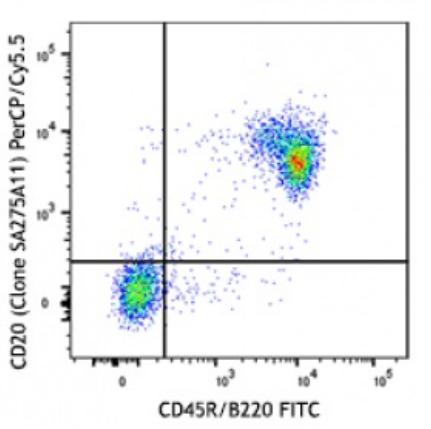
Immunogen: Mouse CD20 - transfected cells

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.

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

Concentration: 0.2 mg/ml

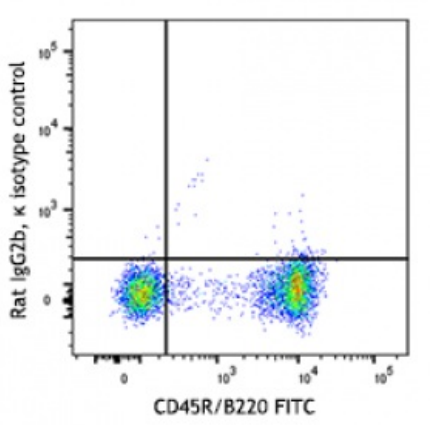


C57BL/6 mouse splenocytes were stained with CD45R/B220 FITC and CD20 (clone SA275A11) PerCP/Cy5.5 (left) or rat IgG2b, κ PerCP/Cy5.5 isotype control (right).

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.



Application 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.*

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^{2+} 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.*

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