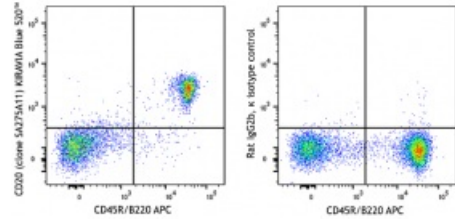


**KIRAVIA Blue 520™ anti-mouse CD20****Catalog # /** 1352150 / 100 µg**Size:** 1352145 / 25 µg**Clone:** SA275A11**Isotype:** Rat IgG2b, κ**Immunogen:** Mouse CD20 - transfected cells**Reactivity:** Mouse**Preparation:** The antibody was purified by affinity chromatography and conjugated with KIRAVIA Blue 520™ under optimal conditions.**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 APC and anti-mouse CD20 (clone SA275A11) KIRAVIA Blue 520™ (left) or rat IgG2b, κ KIRAVIA Blue 520™ 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.

\* KIRAVIA Blue 520™ has an excitation maximum of 495 nm, and a maximum emission of 520 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.