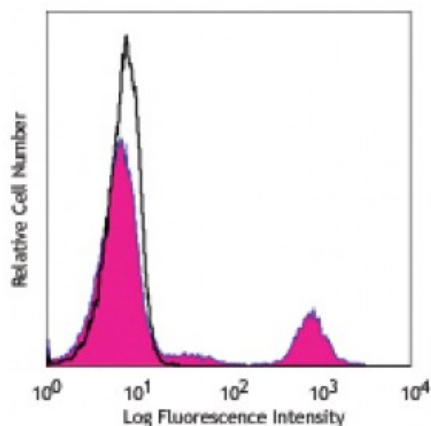


PerCP/Cy5.5 anti-human CD20 (cytoplasmic)**Catalog # / Size:** 2302540 / 100 tests**Clone:** 1412**Isotype:** Mouse IgG2a, κ **Reactivity:** Human**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).**Concentration:** Lot-specific

Human peripheral blood lymphocytes intracellular stained with 1412 PerCP/Cy5.5

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 5 μ L per million cells or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Application Notes: Clone 1412 can be used to stain CD20 after the cells have been treated with BioLegend's True-Phos™ Perm Buffer making it ideal for signaling pathway research and simultaneous detection of intracellular targets.

Application References: NULL

Description: CD20 is a 33-37 kD four transmembrane spanning protein also known as B1 and Bp35. CD20 is expressed on pre-B-cells, resting and activated B cells (not plasma cells), some follicular dendritic cells, and at low levels on a T cell subset. CD20 is heavily phosphorylated in activated B cells and malignant B cells. Homo-oligomeric complexes of CD20 are thought to form Ca^{2+} conductive ion channels in the plasma membrane of B cells. The CD20 molecule is involved in B-cell activation and is associated with various Src family kinases (Lyn, Lck, Fyn), and exists in a complex with MHC class I and II, CD53, CD81, and CD82. The mAb 1412 recognizes the cytoplasmic domain of the CD20 molecule.

Antigen References: 1. Hultin L, *et al.* 1993. *Cytometry* 14:196.
2. Tedder T, *et al.* 1994. *Immunol. Today* 15:450.