

APC/Fire™ 750 anti-human CD52 Recombinant

Catalog # / 2194565 / 25 tests
Size: 2194570 / 100 tests

Clone: QA19A22

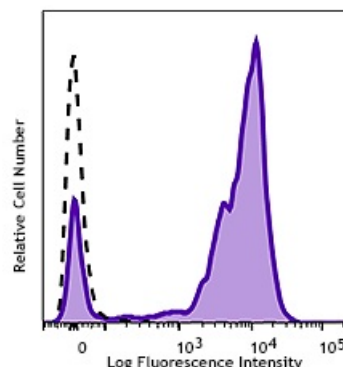
Isotype: Mouse IgG2a, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.

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 were stained with anti-human CD52 recombinant (clone QA19A22) APC/Fire750™ (filled histogram) or mouse IgG2a, κ APC/Fire750™ isotype control (open histogram).

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 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

Description: CD52, also known as Cambridge pathology antigen 1 (CAMPATH-1), is a 25-29 kD glycoprotein containing a large N-linked carbohydrate moiety. The actual molecule of CD52 is only 8-9 kD. It is expressed in the male reproductive tract and on virtually all lymphocytes (T and B cells), as well as macrophages/monocytes, eosinophils, and red cells. CD52 is thought to play a role in carrying and orienting carbohydrates. CD52 is a potent target for complement-mediated lysis and antibody-mediated cellular cytotoxicity and has been used as a depletion target for chronic lymphocytic leukemia (CLL)/lymphoma and immunosuppression.

Antigen References:

1. Leukocyte Typing VI. Kishimoto T, *et al.* (Eds.) Garland Publishing Inc. (1997)
2. Xia MQ, *et al.* 1991. *Eur. J. Immunol.* 21:1677.
3. Kirchhoff C, *et al.* 1993. *Mol. Reprod. Dev.* 34:8.
4. Xia MQ, *et al.* 1993. *Biochem. J.* 293:633.