

**Purified anti-human CD52 Recombinant**

**Catalog # / Size:** 2194510 / 100 µg

**Clone:** QA19A22

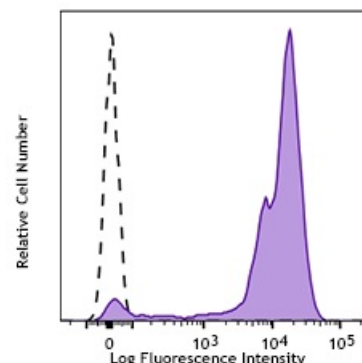
**Isotype:** Mouse IgG2a, κ

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography.

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

**Concentration:** 0.5 mg/mL



Human peripheral blood lymphocytes were stained with anti-human CD52 (clone QA19A22) purified (filled histogram) or mouse IgG2a, κ purified isotype control (open histogram) followed by PE goat anti-mouse IgG secondary antibody.

**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  $\leq 0.5$  µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**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.