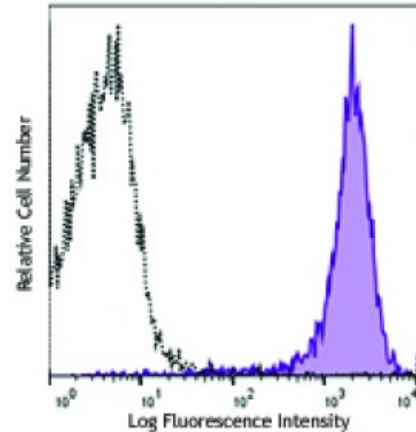


PE/Cy7 anti-human CD52

Catalog # / Size:	2180060 / 100 tests 2180055 / 25 tests
Clone:	HI186
Isotype:	Mouse IgG2b, κ
Immunogen:	Human tonsil
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	0.2



Human peripheral blood lymphocytes stained with CD52 (clone HI186) PE/Cy7 (filled histogram) or mouse IgG2b, κ PE/Cy7 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 2 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining of formalin-fixed paraffin-embedded tissue sections.

Application References: 1. Kishimoto T, *et al.* Eds. 1997. Leucocyte Typing VI. Garland Publishing Inc. London.

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. The HI186 antibody is useful for flow cytometry and immunohistochemistry.

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