

Product Data Sheet

Alexa Fluor® 647 anti-human CD52

Catalog # / Size: 338206 / 100 tests

Clone: 097

Isotype: Mouse IgM, κ

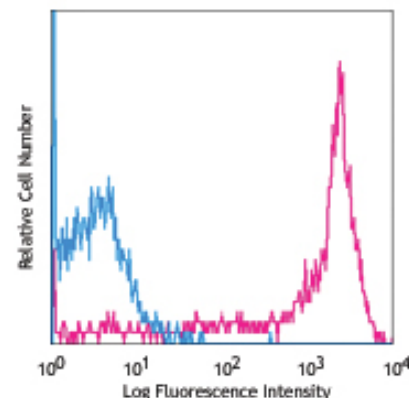
Workshop Number: V NL15

Reactivity: Human

Preparation: The antibody was conjugated with Alexa Fluor® 647 under optimal conditions, and is at >85% purity. The solution is free of unconjugated Alexa Fluor® 647.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with 097 Alexa Fluor® 647

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent 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.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.

** Alexa Fluor® is a registered trademark of Molecular Probes, Inc. Alexa Fluor® dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

Application References: 1. Valentin H, *et al.* 1992. *Transplantation*. 54:97

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.

Related Products:

Product
 Alexa Fluor® 647 Mouse IgM, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
 MM-30

Application

FC, ICFC
 FC, ICC, ICFC
 FC, ICFC
 FC, ICC, ICFC



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