

Product Data Sheet

PE anti-human CD15 (SSEA-1)

Catalog # / Size: 301905 / 25 tests
301906 / 100 tests

Clone: HI98

Isotype: Mouse IgM, κ

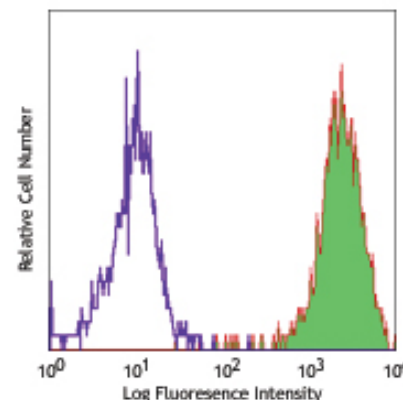
Workshop Number: IV M141

Reactivity: Human, **Cross-Reactivity:** Chimpanzee

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

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 granulocytes stained with HI98 PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application Notes: Clone HI98 has been described to specifically react with 3-fucosyl-N-acetylglucosamine (3-FAL), a 220 kD carbohydrate structure, also called X-hapten, SSEA-1, CD15, or Lewis X. Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen sections and formalin-fixed paraffin-embedded tissue sections.

Application References:

1. Knapp W, *et al.* Eds. 1989. Leucocyte Typing IV. Oxford University Press. New York.
2. Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
3. McMichael A, *et al.* 1987. Leucocyte Typing III. Oxford University Press. New York.
4. Yoshino N, *et al.* 2000. *Exp. Anim. (Tokyo)* 49:97. (FC)

Description: CD15 is 3-fucosyl-N-acetylglucosamine (3-FAL), also known as Lewis X, 3-FAL, X-hapten, and SSEA-1. CD15 is expressed on granulocytes and monocytes. It has also been shown to be expressed on Langerhans cells and some malignant cells. CD15 has been implicated in adhesion, as well as chemotaxis, phagocytosis, and bactericidal activity.

Antigen References: 1. Stocks SC, *et al.* 1990. *Biochem. J.* 268:275.

Related Products:

FITC anti-human CD33

PE anti-human CD13

PE anti-human CD33

Cell Staining Buffer

RBC Lysis Buffer (10X)

PE Mouse IgM, κ Isotype Ctrl

Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone

HIM3-4

WM15

WM53

MM-30

Application

FC

FC

FC

FC, ICC, ICFC

FC, ICFC

FC, ICFC

FC, ICC, ICFC



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