SONY

Product Data Sheet

FITC anti-human CD15 (SSEA-1)

Catalog # / Size: 2109515 / 25 tests
2109520 / 100 tests

Clone: HI98

Isotype: Mouse IgM, κ

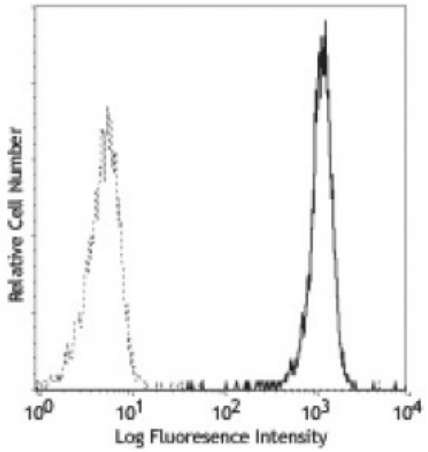
Reactivity: Human

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

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

Workshop Number: IV M141

Concentration: Lot-specific



Human peripheral blood granulocytes stained with HI98 FITC

Applications:

Applications: Flow Cytometry

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 microL to 5 microL per test**. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Clone HI98 has been described to specifically react with 3-fucosyl-N-acetyllactosamine (3-FAL), also called X-hapten, SSEA-1, CD15, or Lewis X. Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen sections5 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-acetyllactosamine (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.

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