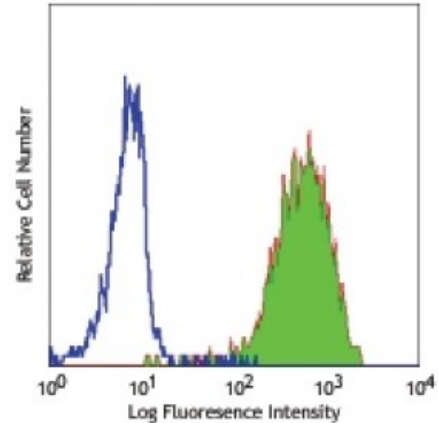


Purified anti-human CD15 (SSEA-1)

Catalog # / Size: 2109510 / 100 µg
Clone: HI98
Isotype: Mouse IgM, κ
Reactivity: Human
Preparation: This antibody is at >85% purity.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number: IV M141
Concentration: 0.5



Human peripheral blood granulocytes stained with purified HI98, followed by anti-mouse IgGs FITC

Applications:

Applications: Flow Cytometry, Immunohistochemistry

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 ≤0.5 microg per million cells in 100 microL volume. 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.