

PE/Cy7 anti-human CD15 (SSEA-1)

Catalog # / Size: 2109615 / 25 tests
2109620 / 100 tests

Clone: HI98

Isotype: Mouse IgM, κ

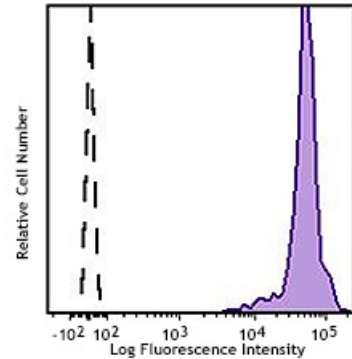
Reactivity: Human, Non-human primate

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).

Workshop Number: IV M141

Concentration: Lot-specific



Human peripheral blood granulocytes were stained with CD15 (SSEA-1) PE/Cy7 (Clone HI98) (filled histogram) or Mouse IgM

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 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl 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. Stocks SC, *et al.* 1990. *Biochem. J.* 268:275.

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.