

Product Data Sheet

Alexa Fluor® 488 anti-human CD15 (SSEA-1)

Catalog # / Size: 301910 / 100 tests

Clone: HI98

Isotype: Mouse IgM, κ

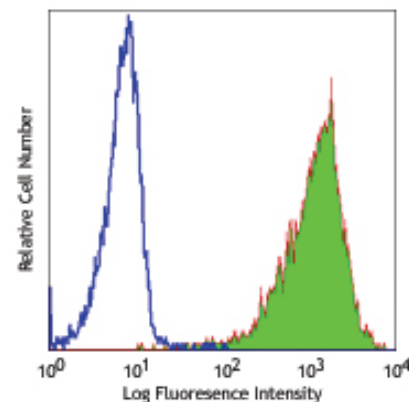
Workshop Number: IV M141

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

Preparation: The antibody was conjugated with Alexa Fluor® 488 under optimal conditions, and is at >85% purity. The solution is free of unconjugated Alexa Fluor® 488.

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 Alexa Fluor® 488

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® 488 has a maximum emission of 519 nm when it is excited at 488 nm.

** 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 Notes: Clone HI98 has been described to specifically react with 3-fucosyl-N-acetyllactosamine (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-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.

Related Products:

Product
Cell Staining Buffer

Alexa Fluor® 488 Mouse IgM, κ Isotype Ctrl

Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone

MM-30

Application

FC, ICC, ICFC

FC, ICFC

FC, ICC, ICFC



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.