

Brilliant Violet 711™ anti-human CD15 (SSEA-1)

Catalog # / Size: 2215245 / 25 tests
2215250 / 100 tests

Clone: W6D3

Isotype: Mouse IgG1, κ

Immunogen: WERI-RB-1 retinoblastoma cell line

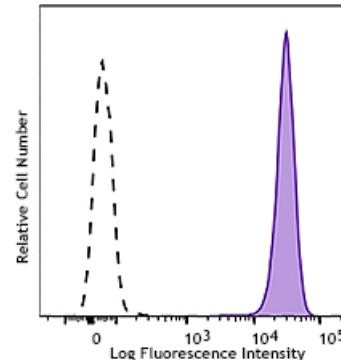
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 711™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 711™ and unconjugated antibody.

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

Workshop Number: HCDM listed

Concentration: Lot-specific



Human peripheral blood granulocytes were stained with CD15 (SSEA-1, clone W6D3) Brilliant Violet 711™ (filled histogram) or Mouse IgG1, κ Brilliant Violet 711™ isotype control (open histogram).

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 or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 711™ excites at 405 nm and emits at 711 nm. The bandpass filter 710/50 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 711™ is a trademark of Sirigen Group Ltd.

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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.