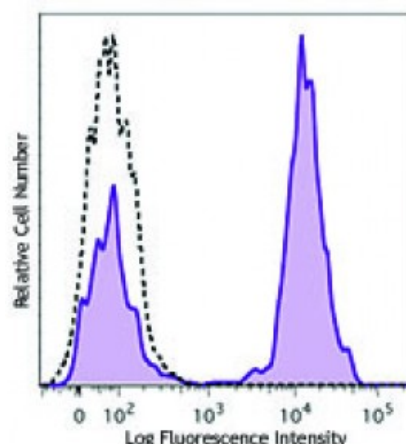


Brilliant Violet 711™ Streptavidin

Catalog # / Size: 2626205 / 100 µl
Isotype: Mouse IgG1, κ
Reactivity: Human, Mouse, Rat
Preparation: Streptavidin was conjugated with Brilliant Violet 711™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 711™.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Concentration: 0.1



Human peripheral blood lymphocytes were stained with biotinylated CD3 (clone UCHT1) (filled histogram) or mouse IgG1 isotype control (open histogram), followed with Sav-Brilliant Violet 711™.

Applications:

Applications: Flow Cytometry
Recommended Usage: Each lot of this Streptavidin-Brilliant Violet 711™ is quality control tested by immunofluorescent staining with flow cytometric analysis. The concentration provided is based upon molecular mass of streptavidin independent of any additional molecular mass that might be added by the Brilliant Violet 711™ conjugation. For flow cytometric staining, the suggested use of this reagent is ≤0.125 microg per million cells in 100 microL volume. 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 Notes: The average molecular weight of Streptavidin-Brilliant Violet 711™ is 340 kD and Streptavidin alone is 52 kD.

Description: Streptavidin binds to biotin with high affinity. Streptavidin-Brilliant Violet 711™ is useful for detecting biotinylated antibodies. The excitation of Brilliant Violet 711™ by 405 nm laser light induces a fluorescence maximum emission of 711 nm.

