

Brilliant Violet 650™ Streptavidin

Catalog # / Size: 2626155 / 100 µl
2626160 / 100 µg

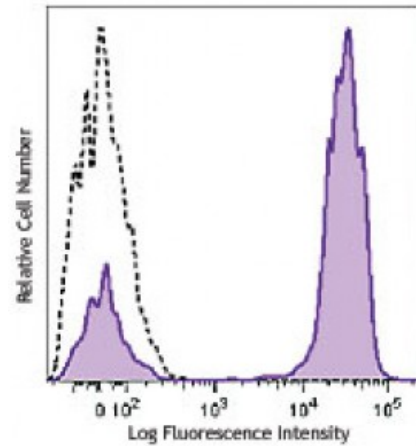
Isotype: Mouse IgG1, κ

Reactivity: Human, Mouse, Rat

Preparation: Streptavidin was conjugated with Brilliant Violet 650™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 650™.

Formulation: Cat. No. 405231: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
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Concentration: Cat. No. 405231: 0.1 mg/ml
Cat. No. 405232: 0.5 mg/ml (concentration relates to the Streptavidin only component of the conjugate)



Human peripheral blood lymphocytes were stained with biotinylated CD3 (filled histogram) or mouse IgG1 isotype control (open histogram), followed with Sav-Brilliant Violet 650™.

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this Streptavidin-Brilliant Violet 650™ 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 650™ conjugation. For immunofluorescent staining, we recommend using ≤0.125 microg in 100 microL staining volume per million cells. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 650™ excites at 405 nm and emits at 645 nm. The bandpass filter 660/20 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 650™ is a trademark of Sirigen Group Ltd.

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Application Notes: The average molecular weight of Streptavidin-Brilliant Violet 650™ is 340 kD and Streptavidin alone is 52 kD.

Description: Streptavidin binds to biotin with high affinity. Streptavidin-Brilliant Violet 650™ is useful for detecting biotinylated antibodies. The excitation of Brilliant Violet 650™ by 405 nm laser light induces a fluorescence maximum emission of 645 nm.

