

**Brilliant Violet 785™ Streptavidin**

**Catalog # / Size:** 2626245 / 100 µl

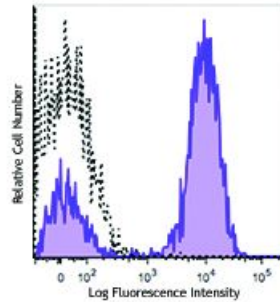
**Isotype:** Mouse IgG1, κ

**Reactivity:** Human, Mouse, Rat

**Preparation:** Streptavidin was conjugated with Brilliant Violet 785™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 785™.

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

**Concentration:** 0.1mg/ml



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 785™.

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this Streptavidin-Brilliant Violet 785™ 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 785™ 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 785™ excites at 405 nm and emits at 785 nm. The bandpass filter 780/60 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 785™ is a trademark of Sirigen Group Ltd.

**Application Notes:** The average molecular weight of Streptavidin-Brilliant Violet 785™ is 340 kD and Streptavidin alone is 52 kD.

**Description:** <p>Streptavidin binds to biotin with high affinity. Streptavidin-Brilliant Violet 785™ is useful for detecting biotinylated antibodies. The excitation of Brilliant Violet 785™ by 405 nm laser light induces a fluorescence maximum emission of 785&nbsp;nm.</p>