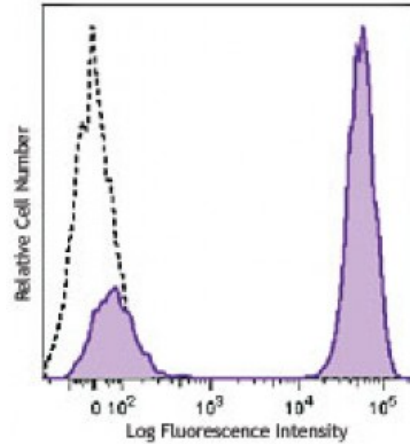


Brilliant Violet 605™ Streptavidin

Catalog # / Size: 2626145 / 100 µl
Isotype: Mouse IgG1, κ
Reactivity: Human, Mouse, Rat
Preparation: Streptavidin was conjugated with Brilliant Violet 605™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 605™.
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 (filled histogram) or mouse IgG1 isotype control (open histogram), followed with Sav-Brilliant Violet 605™.

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this Streptavidin-Brilliant Violet 605™ 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 605™ conjugation. For immunofluorescent staining, we recommend using ≤0.25 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 605™ excites at 405 nm and emits at 603 nm. The bandpass filter 610/20 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 605™ is a trademark of Sirigen Group Ltd.

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Application Notes: The average molecular weight of Streptavidin-Brilliant Violet 605™ is 340 kD and Streptavidin alone is 52 kD.

- Application References:**
1. Altin JA, *et al.* 2014. *PNAS*. 111:2067. [PubMed](#)
 2. Perez-Quintero LA, *et al.* 2014. *J Exp Med*. 211:727. [PubMed](#)
 3. Cartwright EK, *et al.* 2014. *J Immunol*. 192:4666. [PubMed](#)
 4. Guo H, *et al.* 2014. *J Leukoc Biol*. 96:419. [PubMed](#)
 5. Arlehamnn CL, *et al.* 2014. *J Immunol*. 193:2931. [PubMed](#)

Description: Streptavidin binds to biotin with high affinity. Streptavidin-Brilliant Violet 605™ is useful for detecting biotinylated antibodies. The excitation of Brilliant Violet 605™ by 405 nm laser light induces a fluorescence maximum emission of 603 nm.