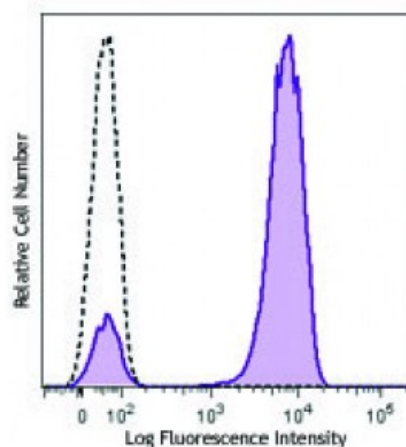


**Brilliant Violet 510™ Streptavidin**

<b>Catalog # / Size:</b>	2626165 / 100 µl 2626170 / 100 µg
<b>Isotype:</b>	Mouse IgG1, κ
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Preparation:</b>	Streptavidin was conjugated with Brilliant Violet 510™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 510™.
<b>Formulation:</b>	For Cat. No. 405234: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. For Cat. No. 405233: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
<b>Concentration:</b>	Cat. No. 405234 is bottled at 0.5 mg/ml. Cat. No. 405233 is bottled at 0.1 mg/ml.



Human peripheral blood lymphocytes were stained with biotinylated CD3 (clone UCHT1) (filled histogram) or biotinylated mouse IgG1, κ isotype control (open histogram), followed by streptavidin-Brilliant Violet 510™.

**Applications:**

<b>Applications:</b>	Flow Cytometry
<b>Recommended Usage:</b>	Each lot of this Streptavidin-Brilliant Violet 510™ 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 510™ conjugation. For immunofluorescent staining for Cat. No. 405233, we recommend using ≤0.25 microg in 100 microL staining volume per million cells. For immunofluorescent staining for Cat. No. 405234, we recommend using ≤0.1 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 510™ excites at 405 nm and emits at 510 nm. The bandpass filter 510/50 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 510™ is a trademark of Sirigen Group Ltd.

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<b>Application Notes:</b>	The average molecular weight of Streptavidin-Brilliant Violet 510™ is 340 kD and Streptavidin alone is 52 kD.
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<b>Application References:</b>	1. Mise-Omata S, <i>et al.</i> 2014. <i>Int Immunol.</i> 26:607. <a href="#">PubMed</a>
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**Description:** Streptavidin binds to biotin with high affinity. Streptavidin-Brilliant Violet 510™ is useful for detecting biotinylated antibodies. The excitation of Brilliant Violet 510™ by 405 nm laser light induces a fluorescence maximum emission of 510 nm. Streptavidin-Brilliant Violet 510™ is 340 kD.